FINAL

FACILITY-WIDE GROUNDWATER MONITORING PROGRAM REPORT ON THE APRIL 2007 SAMPLING EVENT

RAVENNA ARMY AMMUNITION PLANT, RAVENNA, OHIO

Contract No. W912QR-04-D-0036
Delivery Order No. 0006

PREPARED FOR

US ARMY CORPS OF ENGINEERS LOUISVILLE, KENTUCKY

Prepared by

Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati Ohio 45240

November 27, 2007

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FWGWMP April 2007 Sampling Event Final Report Distribution List

RVAAP – 2 hard copies, 2 CDs
USACE - 2 hard copies, 3 CDs
USAEC – 1 CD
Ohio EPA – 1 hard copies, 1 CD
OHARNG – 1 hard copy, 1 CD
EQM – 1 hard copy, 1 CD

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LIST OF ACRONYMS

ADR	Automatic Data Review
AOC	Area of Concern
BRAC	U.S. Army Base Realignment and Closure Office
DOD	Department of Defense
EQM	Environmental Quality Management, Inc.
FWGWMPP	Facility-Wide Groundwater Monitoring Program Plan
FWSAP	Facility-Wide Sampling and Analysis Plan
IDW	Investigative Derived Waste
LCS	Laboratory Control Sample
LCG	Louisville Chemistry Guidelines
MARC	Multiple Award Remediation Contract
MS/MSD	Matrix spike/matrix spike duplicate
NGB	National Guard Bureau
ODA2	Open Demolition Area 2
Ohio EPA	Ohio Environmental Protection Agency
OHARNG	Ohio Army National Guard
PCB	Polychlorinated biphenyl
QA	Quality assurance
QAPP	Quality Assurance Project Plan
QC	Quality control
RQL	Ramsdell Quarry Landfill
RTLS	Ravenna Training and Logistics Site
RVAAP	Ravenna Army Ammunition Plant
SRC	Site Related Contaminant
SVOC	Semi-volatile organic compound
USACE	U.S. Army Corps of Engineers
VOC	Volatile organic compound

SECTION 1

INTRODUCTION

1.1 Facility Description

Past Department of Defense (DOD) activities at the Ravenna Army Ammunition Plant (RVAAP) date to 1940 and include the manufacturing, loading, handling and storage of military explosives and ammunition. Until 1999, the RVAAP was identified as a 21,419-acre installation. The property boundary was resurveyed by the Ohio Army National Guard (OHARNG) over a two year period from 2002 and 2003 and the actual total acreage of the property was found to be 21,683.289 acres. As of February 2006, a total of 20,403 acres of the former 21,683 acre RVAAP have been transferred to the United States Property and Fiscal Officer (USP&FO) for Ohio for use by the OHARNG as a military training site. The current RVAAP consists of 1,280 acres in several distinct parcels scattered throughout the confines of the OHARNG Ravenna Training and Logistics Site (RTLS). The RVAAP and the RTLS are collocated on contiguous parcels of property and the RTLS perimeter fence completely encloses the remaining parcels of the RVAAP. The RTLS is in northeastern Ohio within Portage and Trumbull Counties, approximately 4.8 kilometers (3 miles) east-northeast of the city of Ravenna and approximately 1.6 kilometers (1 mile) northwest of the city of Newton Falls (Figure 1-1). The RVAAP portions of the property are solely located within Portage County. The RTLS (inclusive of the RVAAP) is a parcel of property approximately 17.7 kilometers (11 miles) long and 5.6 kilometers (3.5 miles) wide bounded by State Route 5, the Michael J. Kirwan Reservoir, and the CSX System Railroad on the south; Garret, McCormick, and Berry roads on the west; the Norfolk Southern Railroad on the north; and State Route 534 on the east (see Figures 1-1 and 1-2). The RTLS is surrounded by several communities: Windham on the north; Garrettsville 9.6 kilometers (6 miles) to the northwest; Newton Falls 1.6 kilometers (1 mile) to the southeast; Charlestown to the southwest; and Wayland 4.8 kilometers (3 miles) to the south. When the RVAAP was operational the RTLS did not exist and the entire 21,683-acre parcel was a government-owned, contractor-operated (GOCO) industrial facility. The RVAAP Installation Restoration Program (IRP) encompasses investigation and cleanup of past activities over the entire 21,683 acres of the former RVAAP and therefore references to the RVAAP in this document are considered to be inclusive of the historical extent of the RVAAP, which is inclusive of the combined acreages of the current RTLS and RVAAP, unless otherwise specifically stated.

1.2 Project Description

In 2004 the U.S. Army and the Ohio EPA finalized the Facility-Wide Groundwater Monitoring Program (FWGWMP) Plan which details the requirements of the program. The FWGWMP was initiated in 2005 with three consecutive quarters of FWGWMP well

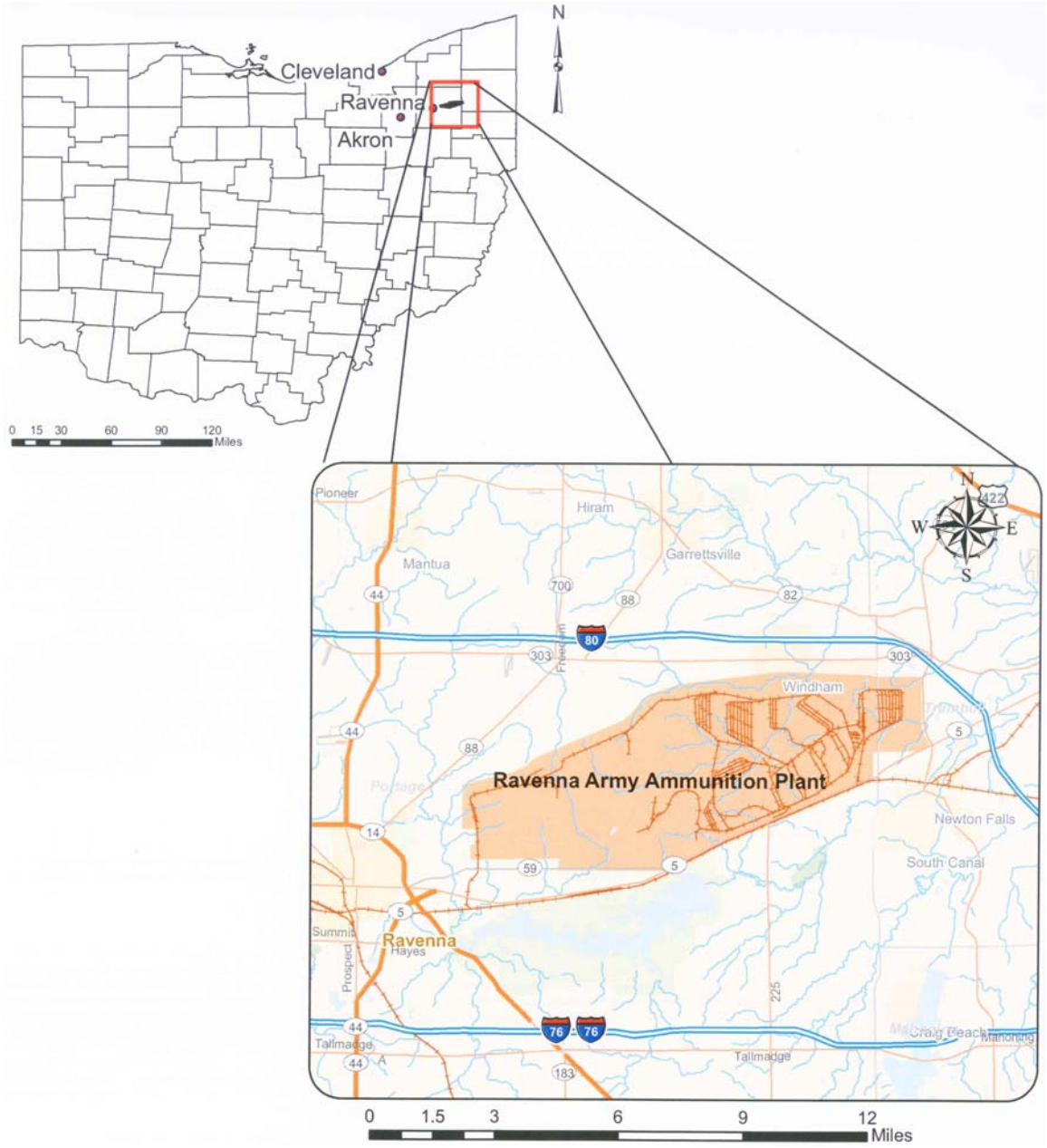


Fig. 1-1 General Location Map

Fig 1-2 RVAAP Facility Map

sampling. Quarterly sampling has continued in 2006 and 2007. All FWGWMP wells are sampled once every quarter, with the exception of the Ramsdell Quarry Landfill (RQL) wells RQLmw-007, -008, and -009, and two Demolition (DA) Area 2 wells, DA2mw-DET3 and –DET4. The RQL and DA2 wells will be sampled twice a year, during the second (April) and fourth (October) sampling events. The April 2007 event represents the second quarter of 2007 FWGWMP sampling.

Details of the program design and requirements are contained in the *RVAAP Facility-Wide Groundwater Monitoring Program Plan,* Portage Environmental, September 2004. This document contains the Facility-Wide Sampling and Analysis Plan (FWSAP), Site Safety and Health Plan, and Quality Assurance Project Plan addenda that pertain to the proposed work. Additional details pertaining to performance of field and laboratory activities are contained in the *RVAAP Facility- Wide Sampling and Analysis Plan/Quality Assurance Project Plan (FWSAP),* SAIC, March 2001. As detailed in the FWGWMPP, the initial monitoring program consists of the sampling of 36 wells specified in Table 4-1 of the FWGWMPP. Fourteen of these wells are "Background Wells" and the remainder are wells situated at various Areas of Concern (AOCs) at RVAAP. The first sampling event for this project was conducted in April 2005. The results of the previous seven FWGWMP sampling events are reported in the following:

- "*Facility- Wide Groundwater Monitoring Program, Report on the April 2005 Sampling Event, Ravenna Training and Logistics Site/Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated August 2005,
- "*Facility - Groundwater Monitoring Program, Report on the July 2005 Sampling Event, Ravenna Training and Logistics Site/Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated November 2005,
- "*Facility-Wide Groundwater Monitoring Program, Annual Report for 2005, Ravenna Training and Logistics Site/Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated May 2006.
- "*Facility- Wide Groundwater Monitoring Program, Report on the March 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated August 2006.
- "*Facility- Wide Groundwater Monitoring Program, Report on the May 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated September 2006.
- "*Facility- Wide Groundwater Monitoring Program, Report on the July 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated March 2007.
- "*Facility- Wide Groundwater Monitoring Program, Report on the October 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated April 2007.
- "*Facility- Wide Groundwater Monitoring Program, Report on the January 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*", dated May 2007.

This report presents the results for the 2007 second quarter (April) sampling event.

1.3 Scope of Work for the April 2007 Sampling Event

Environmental Quality Management, Inc. (EQM) has been contracted (MARC Contract Number W912QR-04-D-0036) by the U.S. Army Corps of Engineers, Louisville District (USACE) to conduct the 2007 FWGWMP monitoring program beginning in April 2007. The objective of this project is to continue quarterly monitoring under the RVAAP Facility-Wide Groundwater Monitoring Program. The following tasks were performed during the April 2007 Sampling event in accordance with specifications contained in the FWGWMPP, the FWSAP, and the Scope of Work written by the USACE:

- Obtain water level measurements on the 41 wells identified in the FWGWMP.
- Perform groundwater sampling on the 41 wells identified in the FWGWMP.
- Perform laboratory analysis for the collected samples.
- Verify, validate and reduce the laboratory analytical data produced for the event.
- Prepare the Investigative Derived Waste (IDW) Characterization and Disposal Report for the IDW collected during monitoring acivities.
- Prepare and submit the quarterly monitoring report for the sampling event.

1.4 Report Presentation

This report presents the results of the 2007 second (April) quarter sampling event. The report is structured in the following way:

- Section 1.0 – Introduction
- Section 2.0 – Description of Project Activities. This section describes project-specific details not contained in the FWSAP and FWGWMPP on how the tasks described above were performed.
- Section 3.0 – Results of Investigation. The results of the sampling event are summarized, groundwater elevation measurements, analytical results, data verification/validation information.
- Section 4.0 - References

The appendices contain the following items:

- Appendix A – Field Log Book Sheets, including daily activities, water level measurements, and purge records.
- Appendix B – Data Verification Reports/Laboratory Data Sheets
- Appendix C – Investigation-Derived Waste (IDW) Characterization and Disposal Plan
- Appendix D – Target Compounds that Currently Do Not Meet the RVAAP QAAP PQLs and/or Region 9 PRGs

SECTION 2

PROJECT ACTIVITIES

2.1 Groundwater Level Monitoring

Depth to water from the top of the inner casing was measured in the 41 FWGWMP wells on April 12 and 13, 2007. Water level measurements were taken with a Herron Dipper-T or Enviro Inspector electronic water-level indicator. The depth to the bottom of the well from the top of the inner casing was also measured with the electronic water level indicator. The results of the groundwater level monitoring for the FWGWMP wells are presented in Section 3.1. A potentiometric map created from groundwater measurements from all RVAAP monitoring wells in April 2006 is presented on Plate 1.

2.2 Groundwater Sampling

All wells were sampled between April 16 and 19, 2007. All wells with the exception of DA2mw-DET4 were sampled using Micropurge techniques in accordance with the specifications contained in the FWGWMPP and FWSAP. DA2mw-DET4 was sampled using a bailer because of low water volume and slow recharge. The other wells were micropurged until certain groundwater parameters (i.e., temperature, specific conductivity, pH, and dissolved oxygen) had stabilized. The groundwater parameters were measured using an Horiba U-22 with flow cells**.** Groundwater parameter measurements obtained during micropurging are presented Appendix A.

Groundwater samples were collected with QED micropurge equipment. Equipment and sampling details are contained in Appendix A. Groundwater samples were collected in laboratory supplied containers and stored in iced coolers for shipment in accordance with FWSAP and FWGWMPP specifications.

The field sample contained in cooler K110 (FWGLL3MW-238C-0021-GW/GF) was received by the laboratory at a temperature of 6.5° C. In this particular case, samples were collected at 16:00 placed on ice, and relinquished to the laboratory at 18:12. The last temperature recorded for this sample at 15:52, just prior to sample collection, was 8.06º C. When the laboratory checked the cooler temperature it was 6.5º C and the ice had apparently melted. However the temperature of 6.5º C demonstrates that steps were undertaken to meet the temperature preservation requirement. This issue had negligible, if any, impact to data, but was qualified during the review process as a conservative approach. However, exceptions have to be made for this requirement when samples are collected and then submitted to the laboratory within a relatively short time period of sample collection as detailed in Section 5.4.3 of the FWSAP. Therefore this sample and the resultant analysis are representative of groundwater conditions as evidenced by the temperature at sample collection and temperature at sample receipt in the laboratory

2.3 Laboratory Analysis

Laboratory analyses on all primary samples and associated quality control samples were performed by Severn-Trent Laboratories, Inc. (STL) of North Canton, Ohio. Table 2-1 presents the analytical methods used to analyze the groundwater samples.

Table 2-1 Analytical Methods

CONSTITUENTS	METHOD[1]
Polychlorinated Biphenyls (PCBs)	GC Semivolatile Organics (8082)
Pesticides	GC Semivolatile Organics (8081A)
Base/Neutrals and Acids (SVOCs)	GC/MS Semivolatile Organic (8270C)
Volatile Organic (VOCs)	GC/MS Volatile Organics (8260B)
Nitroguanidine (Propellants)	Organic Compounds by UV/HPLC (8330 modified)
Nitroaromatics & Nitramines: (Explosives)	GC Semivolatile Organics Explosives (8330)
Nitrocellulose as N (Propellant)	General Chemistry (353.2 modified)[2]
Nitrate – Nitrite	General Chemistry (353.2)[2]
Cyanide, (Total)	General Chemistry (9012A)
Metals (Arsenic, Lead, Selenium)	Inductively Coupled Plasma (6010B Trace)
Metals (Magnesium, Manganese, Barium, Nickel, Potassium, Silver, Sodium, Vanadium, Chromium, Calcium, Cobalt, Copper)	Inductively Coupled Plasma (6010B)
Metals (Antimony, Iron, Beryllium, Thallium, Zinc, Cadmium, Aluminum)	Inductively Coupled Plasma Mass Spectrometry (6020)
Metals (Mercury)	(7470A, Cold Vapor) - Liquid

1 = USEPA SW846
2 = EPA Methods for Chemical Analysis of Water and Waste

All groundwater samples were analyzed for explosives, propellants (nitrocellulose and nitroguanidine), cyanide, volatile organic compounds (VOCs), semi-volatile compounds (SVOCs), target analyte list (TAL) metals (filtered), pesticides, and polychlorinated biphenyls (PCBs). In addition to these analyses the groundwater samples collected from the monitoring wells at Load Line 12 (LL12mw-153, -182, -183, and -186) were also analyzed for nitrate-nitrite.

QC samples were collected from the following wells:

RQLmw-009 – Duplicate sample
WBGmw-009 – Duplicate sample
LL12mw-182 – Duplicate sample
LL11mw-002 – Duplicate sample
RQLmw-007 – MS/MSD
WBGmw-006 – MS/MSD
LL11mw-007 – MS/MSD
BKGmw-017 – MS/MSD

BKGmw-004 – Duplicate sample BKGmw-021 – MS/MSD
LL12mw-183 – MS/MSD for nitrate/nitrite only

An equipment rinse sample was collected each day for a total of 4 rinse samples. Note that the duplicate samples for WBGmw-009 and LL12mw-182 both carry the sequence number 0451. This was a transcription error. As a result, sequence number 0453 was omitted.

All samples were picked up from the facility and delivered to the laboratory in iced coolers by a STL courier under proper chain-of-custody procedures (Appendix B).

Laboratory analyses on all quality assurance (QA) samples were performed by GPL, LLC of Frederick, Maryland. Five QA samples were collected for this sampling event from the same wells indicated above for duplicate samples. Note that a transcription error on the chain–of-custody to GPL identified the split sample from RGLmw-009 as RQLmw-007. The split was actually taken from RQLmw-009 and the bottles were all correctly labeled as coming from 009 and not 007. Appendix A presents a technical change order for the transcription error. Future chain-of-custodies will undergo a QC check by EQM's Field Sample Manager. All QA samples were shipped in iced coolers via overnight delivery service under proper chain-of-custody procedures.

Table 2-2 presents the QA Table summary for all samples collected for the April monitoring event. This table presents in tabular form all analyses and associated QA/QC. The Daily Quality Control Reports are presented in Appendix A.

Laboratory results are summarized in Section 3.2. Laboratory data sheets, including QA/QC information are contained in Appendix B.

2.4 Data Verification/Validation

Data from STL was verified and validated in accordance with project specifications by EQM chemist Heather Medley using the Automatic Data Review (ADR) program. Data validation/verification is summarized in Section 3.3. The Data Verification/Validation Summary Reports are presented in Appendix B.

2.5 Investigation Derived Waste

Purge water was collected at each well location in 5-gallon buckets and transferred to 55-gallon drums located behind Building 1036. Drums were designated for storing purge water from each AOC, and drums were designated to store purge water from the background wells. No more than four gallons were purged from any well. Instruments and equipment were decontaminated after purging and sampling each monitoring well. Decontamination fluids were collected in a separate 55-gallon drum stored behind Building 1036. Pending analysis of the monitoring well samples, IDW fluids will be stored in the 55-gallon drums behind Building 1036 until the IDW Report is approved. The IDW will then be disposed of in accordance with FWSAP requirements. The IDW Report is presented in Appendix C.

Table 2-2 QA Table for April 2007 Sampling Event

	Contractor Laboratory							Government Laboratory		Requested Laboratory Analysis					
Sample Locations	Primary Lab Sample ID	Date	Sample Type	Assoc. QC Dup Number	Assoc. QC Rinsate Number	Assoc. QC Trip Blank Number	MS/ MSD	QA Lab Sample ID	Assoc. QC Trip Blank Number	VOCs	SVOCs	Explosives & Propellants	Pesticides / PCBs	Metals / Cyanide	Nitrate / Nitrite
LL3mw-238	FWGLL3mw-238C-0425-GW/GF	04/16/07	GW		EQUIPRinse1-0456	FWGTeam2-Trip				X	X	X	X	X	
RQLmw-009	FWGRQLmw-009C-0443-GW/GF	04/16/07	GW	DUP1-0447	EQUIPRinse1-0456	FWGTeam2-Trip		FWGRQLmw-007-0446S-GW/GF	FWG Trip Blank	X	X	X	X	X	
LL1mw-78	FWGLL1mw-078C-0419-GW/GF	04/16/07	GW		EQUIPRinse1-0456	FWGTeam1-Trip				X	X	X	X	X	
RQLmw-008	FWGRQLmw-008C-0442-GW/GF	04/16/07	GW		EQUIPRinse1-0456	FWGTeam1-Trip				X	X	X	X	X	
LL1mw-80	FWGLL1mw-080C-0420-GW/GF	04/16/07	GW		EQUIPRinse1-0456	FWGTeam1-Trip				X	X	X	X	X	
LL4mw-199	FWGLL4mw-199C-0428-GW/GF	04/16/07	GW		EQUIPRinse1-0456	FWGTeam3-Trip				X	X	X	X	X	
LL1mw-83	FWGLL1mw-083C-0421-GW/GF	04/16/07	GW		EQUIPRinse1-0456	FWGRinse Trip				X	X	X	X	X	
RQLmw-007	FWGRQLmw-007C-0441-GW/GF	04/16/07	GW		EQUIPRinse1-0456	FWGTeam3-Trip	Yes			X	X	X	X	X	
LL11mw-007	FWGLL11mw-007C-0430-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam3-Trip	Yes			X	X	X	X	X	
LL11mw-002	FWGLL11mw-002C-0429-GW/GF	04/17/07	GW	DUP5-0455	EQUIPRinse2-0457	FWGTeam3-Trip		FWGLL11mw-002-0454S-GW/GF	FWG Trip Blank	X	X	X	X	X	
LL4mw-198	FWGLL4mw-198C-0427-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam1-Trip				X	X	X	X	X	
LL3mw-242	FWGLL3mw-240C-0426-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam1-Trip				X	X	X	X	X	
CBPmw-007	FWGCBPmw-007C-0436-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam1-Trip				X	X	X	X	X	
DA2-107	FWGDA2mw-DET1bR-0437-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam2-Trip				X	X	X	X	X	
LL2mw-263	FWGLL2mw-263C-0424-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam2-Trip				X	X	X	X	X	
DET-3	FWGDETmw-3bR-0444-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam2-Trip				X	X	X	X	X	
DET-4	FWGDETmw-4bR-0445-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam2-Trip				X	X	X	X	X	
LL2mw-262	FWGLL2mw-262C-0423-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam2-Trip				X	X	X	X	X	
LL2mw-059	FWGLL2mw-059C-0422-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam1-Trip0417				X	X	X	X	X	
CBPmw-006	FWGCBPmw-006C-0435-GW/GF	04/17/07	GW		EQUIPRinse2-0457	FWGTeam1-Trip0417				X	X	X	X	X	
WBGmw-007	FWGWBGmw-007C-0439-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team2				X	X	X	X	X	
BKGmw-020	FWGBKGmw-020C-0417-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team2				X	X	X	X	X	
WBGmw-006	FWGWBGmw-006C-0438-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team1	Yes			X	X	X	X	X	
BKGmw-019	FWGBKGmw-019C-0416-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team1				X	X	X	X	X	
BKGmw-005	FWGBKGmw-005C-0406-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team1				X	X	X	X	X	
BKGmw-012	FWGBKGmw-012C-0410-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team2				X	X	X	X	X	
BKGmw-013	FWGBKGmw-013-0411-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team2				X	X	X	X	X	
WBGmw-009	FWGWBGmw-009C-0440-GW/GF	04/18/07	GW	DUP3-0451	EQUIPRinse3-0458	FWGTrip-Team3		FWGWBGmw-009-0450S-GW/GF	FWG-TripTeam3-0418	X	X	X	X	X	
BKGmw-018	FWGBKGmw-018C-0415-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team3				X	X	X	X	X	
BKGmw-016	FWGBKGmw-016C-0413-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team3				X	X	X	X	X	
BKGmw-006	FWGBKGmw-006C-0407-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTrip-Team3				X	X	X	X	X	
BKGmw-015	FWGBKGmw-015C-0412-GW/GF	04/18/07	GW		EQUIPRinse3-0458	FWGTripTeam1-0418				X	X	X	X	X	
LL12mw-183	FWGLL12mw-183C-0433-GW/GF	04/19/07	GW		EQUIPRinse4-0459	FWGTrip Team3	Yes*			X	X	X	X	X	X
LL12mw-182	FWGLL12mw-182C-0432-GW/GF	04/19/07	GW	DUP4-0451	EQUIPRinse4-0459	FWGTrip Team3		FWGLL12mw-182C-0452S-GW/GF	FWGTripTeam3-0419	X	X	X	X	X	X
BKGmw-008	FWGBKGmw-008C-0408-GW/GF	04/19/07	GW		EQUIPRinse4-0459	FWGTrip Team3				X	X	X	X	X	
BKGmw-017	FWGBKGmw-017C-0414-GW/GF	04/19/07	GW		EQUIPRinse4-0459	FWGTrip-Team2	Yes			X	X	X	X	X	
BKGmw-021	FWGBKGmw-021C-0418-GW/GF	04/19/07	GW		EQUIPRinse4-0459	FWGTrip-Team2	Yes			X	X	X	X	X	
BKGmw-004	FWGBKGmw-004C-0405-GW/GF	04/19/07	GW	DUP2-0449	EQUIPRinse4-0459	FWGTrip-Team2		FWGBKGmw-004-0448S-GW/GF	FWGTripTeam2-0419	X	X	X	X	X	
LL12mw-186	FWGLL12mw-186C-0434-GW/GF	04/19/07	GW		EQUIPRinse4-0459	FWGTrip-Team1				X	X	X	X	X	X
LL12mw-153	FWGLL12mw-153C-0431-GW/GF	04/19/07	GW		EQUIPRinse4-0459	FWGTrip-Team1				X	X	X	X	X	X
BKGmw-010	FWGBKGmw-010C-0409-GW/GF	04/19/07	GW		EQUIPRinse4-0459	FWGTrip-Team1				X	X	X	X	X	

*MS/MSD at LL12mw-183 was for NO3/NO2 only.

SECTION 3

RESULTS

3.1 Groundwater Elevations

Groundwater elevations for the FWGWMP monitoring wells were obtained on April 12 and 13, 2007 as described in Section 2.1. The groundwater elevations for the FWGWMP wells are presented in Table 3-1. As shown in Table 3-1 several of the wells appear to have sediment accumulation of greater than 0.25-feet. These include BKGmw-005, BKGmw-015, BKGmw-016, BKGmw-019, LL2mw-263, and LL4mw-198. However most of these wells were reported as having hard bottoms which would not be expected if sediment were present. The apparent sediment accumulation will be checked during the July water level measurements event and a determination will made as to the need for future redevelopment of these wells; or if the condition is associated with measurement or survey issues. Additionally, several wells are reporting negative sediment accumulation (i.e., the measured depth is greater than the reported construction depth). These wells will also be checked and a determination made as to the accuracy of the reported construction depth.

To minimize turbid samples, low flow purging and sampling techniques are used. The pumps are suspended at least one foot above the bottom of the well to avoid agitation of the sediment potentially accumulating in the well sump. Additionally, in-line field filtering of metals samples is currently employed to mitigate high sample turbidity. EQM will continue to monitor the high turbidity readings and make a determination for future redevelopment and other evaluation of any affected wells.

A single facility-wide groundwater potentiometric map (Plate 1) based on all RVAAP groundwater measurements taken in April 2006 is also included in this report. A facility-wide groundwater potentiometric map will be prepared after the July 2007 groundwater level measurements for all 237 wells.

3.2 Summary of Analytical Results

Summaries of laboratory analytical results are presented in Tables 3-2, 3-3, 3-5, 3-6, and 3-7. Appendix B presents the Laboratory Data Sheets**.** A brief summary of the detected compounds and elements are presented in the following sub-sections. The data presented in the tables are the validated and verified data. Data verification and validation is discussed in Section 3.3 and Appendix B. While reviewing the summary of analytical results please note the following:

- LL3mw-242 was sampled as one of the required quarterly monitoring wells for the April event. The sample labels and chain-of-custody for this well were

misidentified as LL3mw-240. EQM has checked the field notes and field location of this well to verify that this was a transcription error and not sampling of well 240. EQM has confirmed that well 242 was indeed sampled, not 240. In addition to checking the field notes and location in the field, EQM also checked the well depths of the two wells. Well 242 has a depth to bottom of approximately 22-feet which was confirmed in the field notes (well 240 has a depth of approximately 35-feet).
EQM has corrected this electronic transcription error for future sampling events.

- Well CBPmw-006 was sampled during this event as required under Table 4-1 of the FWGWMP. This well had been replaced by CBPmw-005 during previous events due to an obstruction in the casing of CBPmw-006. The surface casing was repaired on November 2, 2006 and CBPmw-006 was returned to the list of wells to be sampled for the April 2007 and future sampling events.

- The screening levels referenced in the analytical summary tables are the 40 CFR Part 141 National Primary Drinking Water Regulations, Maximum Contaminant Levels (MCLs); and the Region 9 Preliminary Remediation Goals (PRGs) for tap water. MCLs are referenced as the screening criteria (for constituents not having an MCL the Region 9 PRG is used). Also used as screening levels for metals are the RVAAP Facility-Wide Background Criteria referenced in Table 3-4.

- As discussed in Section 3.3, under the data validation process data is qualified by EQM's validator following the guidelines and qualifier requirements set forth by the FWSAP, QAPP and the current Louisville Chemistry Guidelines (LCG) (i.e., data is either accepted or requalified per the requirements of the LCG). This results in the flags designated by EQM sometimes differing from those in the laboratory data sheets. The flags designated by the validator override any laboratory flagging of the data by the laboratory. For a complete explanation of the data qualifiers used for each constituent refer to the Data Verification Summary Reports found in Appendix B.

- For purposes of consistency all detected concentrations that are elevated above the method detection limit (MDL) and the above referenced screening levels are called out in the following text. In the tables, the compounds and elements that were detected above method detection limit are presented in bold numbers. This includes constituents flagged as estimated.

- Several analytical methods used to analyze a number of explosives, VOCs, SVOCs, and pesticides cannot meet the RVAAP QAPP reporting limits or Region 9 preliminary remediation goals (PRGs). Tables listing these compounds that currently do not meet Region 9 PRG levels are presented in Appendix D.

Table 3-1 April 2007 FWGWMP Monitoring Well Measurements

Well	Monitoring Zone	Top of Casing (TOC) Elevation[a] (ft)	2005 Annual Groundwater Elevation (Sept. 2005) (ft)	2006 1st Quarter Groundwater Elevation (March 2006) (ft)	2006 2nd Quarter (Annual 2006) Groundwater Elevation (April 2006) (ft)	2006 3rd Quarter Groundwater Elevation (July 2006) (ft)	2006 4th Quarter Groundwater Elevation (Sept. 2006) (ft)	2007 1st Quarter Groundwater Elevation (Jan. 2007) (ft)	2007 2nd Quarter Groundwater Elevation April 2007) (ft)	Depth to Water (ft below TOC) 04/2007	Reported Construction Depth from TOC[a] (ft)	4/2007 Measured Depth from TOC (ft)	4/2007 Sediment Accumulation (ft)	4/2007 Description of Bottom
Facility-Wide Background Wells														
BKGmw-004	U	967.66	953.24	953.93	954.08	954.59	953.74	955.35	955.45	12.21	22.00	22.22	-0.22	hard
BKGmw-005	U	1151.94	1137.82	1140.88	1141.86	1141.91	1138.54	1142.21	1141.89	10.05	21.50	20.90	0.60	hard
BKGmw-006	B	1028.88	1005.66	1006.20	1006.33	1007.03	1006.20	1007.70	1006.49	22.39	37.60	37.51	0.09	soft
BKGmw-008	B	972.90	954.36	956.32	957.37	957.53	955.54	958.55	959.32	13.58	27.50	27.37	0.13	hard
BKGmw-010	B	1008.79	985.84	993.11	994.17	993.87	992.39	994.80	995.92	12.87	22.08[c]	21.98	0.10	hard
BKGmw-012	B	1000.07	988.40	992.30	992.66	992.35	989.74	993.02	993.05	7.02	62.30	62.15	0.15	soft
BKGmw-013	U	989.09	976.26	977.03	977.35	977.50	976.68	978.00	978.07	11.02	28.00	29.96	-1.96	medium/hard
BKGmw-015	B	1040.40	989.43	991.66	992.02	991.99	991.11	992.42	992.73	47.67	53.50	53.00	0.50	hard
BKGmw-016	U	1100.92	1093.73	1095.28	1095.71	1095.71	1094.04	1095.88	1095.70	5.22	21.50	21.15	0.35	hard
BKGmw-017	U	1135.30	1115.02	1118.77	1119.08	1118.72	1116.16	1119.32	1119.41	15.89	36.02[c]	36.00	0.02	hard
BKGmw-018	B	1045.56	1029.33	1029.69	1029.82	1030.16	1029.62	1030.39	1030.63	14.93	27.20	27.50	-0.30	hard
BKGmw-019	U	1110.74	1090.06	1092.24	1092.67	1092.64	1091.02	1093.59	1095.64	15.10	36.50	35.68	0.82	soft
BKGmw-020	B	1067.50	1055.92	1059.47	1060.28	1059.85	1057.25	1060.51	1060.41	7.09	33.20	33.18	0.02	hard
BKGmw-021	U	974.66	955.67	956.00	956.81	959.32	956.29	961.80	962.33	12.33	21.50	21.35	0.15	hard
Load Line 1														
LL1mw-078	B	995.84	964.46	963.39	963.99	965.80	965.05	966.85	968.58	27.26	41.14	41.25	-0.11	hard
LL1mw-080	B	996.27	984.78	986.07	986.97	987.04	985.60	987.15	986.98	9.29	22.04	22.40	-0.36	hard
LL1mw-083	B	995.20	962.67	961.76	962.27	964.12	963.36	965.35	967.14	28.06	41.70	41.46	0.24	hard
Load Line 2														
LL2mw-059	B	966.67	953.09	954.45	955.16	954.99	953.56	955.77	956.66	10.01	21.84	21.88	-0.04	hard
LL2mw-262	B	1012.62	1001.63	1005.65	1006.52	1006.01	1003.52	1006.20	1006.86	5.76	22.70	22.60	0.10	hard
LL2mw-263	B	1011.47	1000.50	1004.26	1005.08	1004.94	1002.79	1004.81	1005.14	6.33	22.89[c]	22.58	0.31	hard
Load Line 3														
LL3mw-238	B	1006.91	989.83	991.29	992.28	992.07	990.76	992.80	992.31	14.60	22.86	23.28	-0.42	hard
LL3mw-242	B	999.32	980.60	984.32	986.03	985.12	981.99	986.53	986.04	13.28	22.43	22.54	-0.11	hard
Load Line 4														
LL4mw-198	U	983.42	973.60	976.61	977.16	977.54	973.99	978.02	978.07	5.35	22.05[c]	21.21	0.84	hard
LL4mw-199	U	977.28	969.47	970.36	970.79	970.96	969.83	971.78	971.90	5.38	23.26	23.30	-0.04	hard

Table 3-1 April 2007 FWGWMP Monitoring Well Measurements

Well	Monitoring Zone	Top of Casing (TOC) Elevation[a] (ft)	2005 Annual Groundwater Elevation (Sept. 2005) (ft)	2006 1st Quarter Groundwater Elevation (March 2006) (ft)	2006 2nd Quarter (Annual 2006) Groundwater Elevation (April 2006) (ft)	2006 3rd Quarter Groundwater Elevation (July 2006) (ft)	2006 4th Quarter Groundwater Elevation (Sept. 2006) (ft)	2007 1st Quarter Groundwater Elevation (Jan. 2007) (ft)	2007 2nd Quarter Groundwater Elevation April 2007) (ft)	Depth to Water (ft below TOC) 04/2007	Reported Construction Depth from TOC[a] (ft)	4/2007 Measured Depth from TOC (ft)	4/2007 Sediment Accumulation (ft)	4/2007 Description of Bottom
Load Line 11														
LL11mw-002	U	1080.00	1076.99	1078.30	1079.01	1079.10	1077.86	1079.08	1079.10	0.90	16.52[c]	16.40	0.12	medium/hard
LL11mw-007	U	1082.00	1066.26	1068.31	1068.64	1068.66	1067.62	1069.00	1068.85	13.15	25.37[c]	25.26	0.11	medium/hard
Load Line 12														
LL12mw-153	U	977.85	970.28	972.21	972.60	972.73	971.60	972.70	973.55	4.30	25.16[c]	25.05	0.11	hard
LL12mw-182	U	984.42	971.90	975.51	975.93	975.90	974.10	976.54	976.63	7.79	38.32	38.12	0.20	medium/hard
LL12mw-183	U	982.98	969.07	971.58	972.16	972.16	970.49	972.66	973.24	9.74	36.37[c]	36.27	0.10	hard
LL12mw-186	U	978.31	970.92	972.91	973.19	973.25	972.28	973.73	973.48	4.83	21.11[c]	20.99	0.12	hard
Central Burn Area														
CBPmw-006	U	967.67[d]	N/A	N/A	N/A	N/A	N/A	N/A	962.04	5.63	25.19[d]	25.39	-0.20	hard
CBPmw-007	U	976.37	958.82	961.38	962.15	962.35	960.21	963.20	963.29	13.08	32.90	31.86	1.04	hard
Demolition Area 2														
DA2mw-107	U	1041.63	1032.75	1033.99	1034.68	1034.93	1033.62	1035.29	1035.23	6.40	16.82	16.83	-0.01	hard
DA2mw-Det3	U	1036.81	1031.08	1027.53	1027.63	N/A	1026.86	1027.98	1027.85	8.96	13.00	16.00	-3.00	firm
DA2mw-Det4	U	1039.68	N/A	N/A	N/A	N/A	N/A	N/A	1029.48	10.20	N/A	13.80	N/A	N/A
Ramsdell Quarry Lanfill														
RQLmw-007	B	965.91	959.95	958.74	959.13	N/A	962.31	961.63	962.31	3.60	18.20	18.56	-0.36	hard
RQLmw-008	B	966.08	960.06	959.14	959.69	N/A	962.38	961.49	962.38	3.70	18.50	18.60	-0.10	hard
RQLmw-009	B	964.58	959.84	958.78	959.20	N/A	962.08	961.27	962.08	2.50	18.40	18.77	-0.37	medium/hard
Winklepeck Burning Grounds														
WBGmw-006	U	1014.66	1005.56	1008.27	1009.41	1009.56	1006.87	1009.76	1009.88	4.78	20.33[c]	20.27	0.06	medium/hard
WBGmw-007	U	1000.59	981.96	983.54	983.76	984.06	982.53	984.47	984.39	16.20	26.48[c]	26.36	0.12	hard
WBGmw-009	U	1047.53	1032.50	1035.06	1036.03	1036.02	1033.64	1036.77	1037.28	10.25	24.37[c]	24.24	0.13	hard

[a] Reported from SAIC/REIMS, 2005
[c] Remeasured after redevelopment June 2005
[d] Recalculated by EQM after April 2007 event
U = Unconsolidated well
B = Bedrock well
N/A = Not Applicable

3.2.1 Explosives and Propellants

Explosive and propellant compound analytical results, including nitrate-nitrites, are summarized in Table 3-2. The following compounds were detected at concentrations above the method detection limits:

- 1,3,5-Trinitrobenzene – LL12mw-186 (0.031 µg/L J), LL1mw-080 (0.17 µg/L), LL1mw-083 (6.5 µg/L J), LL2mw-059 (0.66 µg/L), LL3mw-238 (26 µg/L J). There is no MCL for 1,3,5-Trinitrobenzene. The Region 9 PRG is 1,100 µg/L.

- 2,4,6-Trinitrotoluene – LL1mw-080 (0.13 µg/L), LL1mw-083 (5.3 µg/L J), LL3mw-238 (60 µg/L J). There is no MCL for 2,4,6-Trinitrotoluene. The Region 9 PRG is 2.2 µg/L.

- 2,4-Dinitrotoluene – LL1mw-083 (2.6 µg/L J), LL2mw-059 (0.12 µg/L), There is no MCL for 2,4-Dinitrotoluene. The Region 9 PRG is 73 µg/L.

- 2,6-Dinitrotoluene – LL1mw-080 (0.061 µg/L J), LL1mw-083 (1 µg/L J), RQLmw-008 (0.27 µg/L), There is no MCL for 2,6-Dinitrotoluene. The Region 9 PRG is 36 µg/L.

- 2-Amino-4,6-dinitrotoluene – BKGmw-016 (7 µg/L) LL1mw-080 (1.4 µg/L), LL1mw-083 (16 µg/L J), LL2mw-059 (0.22 µg/L), LL3mw-238 (11 µg/L J), There is no MCL or Region 9 PRG for 2-Amino-4,6-dinitrotoluene.

- 4-Amino-2,6-dinitrotoluene – LL1mw-080 (3.1 µg/L), LL1mw-083 (24 µg/L J), LL2mw-059 (0.21 µg/L), LL3mw-238 (25 µg/L J). There is no MCL or Region 9 PRG for 4-Amino-2,6-dinitrotoluene.

- 2-Nitrotoluene – BKGmw-004 (0.1 µg/L), BKGmw-012 (0.098 µg/L J), BKGmw-013 0.098 µg/L J), BKGmw-015 (0.095 µg/L J), BKGmw-020 (0.095 µg/LJ), CBPmw-006 (0.09 µg/L J), DA2mw-4 (0.11 µg/L J), LL12mw-153 (0.097 µg/L J), LL12mw-182 (0.1 µg/L J), LL12mw-186 (0.1 µg/L J), WBGmw-007 (0.091 µg/L J), RQLmw-009 (0.11 µg/L J). There is no MCL for 2-Nitrotoluene. The Region 9 PRG is 110 µg/L.

- HMX – BKGmw-012 (0.073 µg/L J), DA2mw-4 (1 µg/L), LL1mw-080 (0.59 µg/L), LL1mw-083 (0.18 µg/L J), LL2mw-059 (0.038 µg/L J), LL3mw-238 (1.2 µg/L J), WBGmw-006 (12 µg/L), WBGmw-009 (1.1 µg/L). There is no MCL for HMX. The Region 9 PRG is 1,800 µg/L.

- Nitrobenzene – LL1MW-078 (0.1 µg/L). There is no MCL for nitrobenzene. The Region 9 PRG is 3.4 µg/L.

- Nitrocellulose – LL12mw 182 (0.15 mg/L J), RQLmw-008 (0.13 mg/L B). There is no MCL or Region 9 PRG for Nitrocellulose.

- PETN – BKGmw-017 (0.34 µg/L J), LL1mw-078 (0.42 µg/L J), LL2mw263 (0.48 µg/L J), LL4mw-198 (0.57 µg/L J), RQLmw-009 (0.88 µg/L). There is no MCL or Region 9 PRG for PETN.

- RDX – DA2mw-4 (0.5 µg/L), LL1mw-080 (2.3 µg/L), LL3mw-238 (4.8 µg/L J), WBGmw-006 (51 µg/L), WBGmw-009 (3.4 µg/L). There is no MCL for RDX. The Region 9 PRG is 0.61 µg/L.

Table 3-2 FWGWMP April 2007 Explosive and Propellant Analytical Results

Station ID				BKGmw-004	BKGmw-005	BKGmw-006	BKGmw-008	BKGmw-010	BKGmw-012	BKGmw-013
Sample ID		MCL	Region 9 PRG	FWGBKGMW-004C-0405-GW	FWGBKGMW-005C-0406-GW	FWGBKGMW-006C-0407-GW	FWGBKGMW-008C-0408-GW	FWGBKGMW-010C-0409-GW	FWGBKGMW-012C-0410-GW	FWGBKGMW-013C-0411-GW
Date Collected				4/19/2007	4/18/2007	4/18/2007	4/19/2007	4/19/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
2,4-Dinitrotoluene	µg/L	NS	73	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
2,6-Dinitrotoluene	µg/L	NS	36	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
2-Nitrotoluene	µg/L	NS	110	**0.1**	0.49 U	0.52 U	0.48 U	0.48 U	**0.098 J**	**0.098 J**
3-Nitrotoluene	µg/L	NS	3.2	0.55 U	0.49 U	0.52 U	0.48 U	0.48 U	0.52 U	0.54 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
4-Nitrotoluene	µg/L	NS	3.2	0.55 U	0.49 U	0.52 U	0.48 U	0.48 U	0.52 U	0.54 U
HMX	µg/L	NS	1800	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	**0.073 J**	0.11 U
Nitrate-Nitrite	mg/L	10000	10000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	µg/L	NS	3.4	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
Nitrocellulose	mg/L	NS	NS	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Nitroglycerin	µg/L	NS	4.8	0.72 U	0.65 U	0.67 U	0.65 U	0.65 U	0.67 U	0.7 U
PETN	µg/L	NS	NS	0.72 U	0.65 U	0.67 U	0.65 U	0.65 U	0.67 U	0.7 U
RDX	µg/L	NS	0.61	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U
Tetryl	µg/L	NS	360	0.11 U	0.098 U	0.1 U	0.097 U	0.096 U	0.1 U	0.11 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-2 FWGWMP April 2007 Explosive and Propellant Analytical Results

Station ID				BKGmw-015	BKGmw-016	BKGmw-017	BKGmw-018	BKGmw-019	BKGmw-020	BKGmw-021
Sample ID		MCL	Region 9 PRG	FWGBKGMW-015C-0412-GW	FWGBKGMW-016C-0413-GW	FWGBKGMW-017C-0414-GW	FWGBKGMW-018C-0415-GW	FWGBKGMW-019C-0416-GW	FWGBKGMW-020C-0417-GW	FWGBKGMW-021C-0418-GW
Date Collected				4/18/2007	4/18/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
2,4-Dinitrotoluene	µg/L	NS	73	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
2,6-Dinitrotoluene	µg/L	NS	36	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.099 U	**7**	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
2-Nitrotoluene	µg/L	NS	110	**0.095 J**	0.52 U	0.54 U	0.48 U	0.48 U	**0.095 J**	0.52 U
3-Nitrotoluene	µg/L	NS	3.2	0.5 U	0.52 U	0.54 U	0.48 U	0.48 U	0.52 U	0.52 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
4-Nitrotoluene	µg/L	NS	3.2	0.5 U	0.52 U	0.54 U	0.48 U	0.48 U	0.52 U	0.52 U
HMX	µg/L	NS	1800	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
Nitrate-Nitrite	mg/L	10000	10000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	µg/L	NS	3.4	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
Nitrocellulose	mg/L	NS	NS	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Nitroglycerin	µg/L	NS	4.8	0.65 U	0.68 U	0.7 U	0.65 U	0.65 U	0.67 U	0.68 U
PETN	µg/L	NS	NS	0.65 U	0.68 U	**0.34 J**	0.65 U	0.65 U	0.67 U	0.68 U
RDX	µg/L	NS	0.61	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U
Tetryl	µg/L	NS	360	0.099 U	0.1 U	0.11 U	0.096 U	0.097 U	0.1 U	0.1 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-2 FWGWMP April 2007 Explosive and Propellant Analytical Results

Station ID				CBPmw-006	CBPmw-007	DA2mw-107	DA2mw-3	DA2mw-4	LL11mw-002	LL11mw-007
Sample ID		MCL	Region 9 PRG	FWGCBPMW-006C-0435-GW	FWGCBPMW-007C-0436-GW	FWGDA2MW-DET1bR-0437-GW	FWGDETMW-3bR-0444-GW	FWGDETMW-4bR-0445-GW	FWGLL11MW-002C-0429-GW	FWGLL11MW-007C-0430-GW
Date Collected				4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
2,4-Dinitrotoluene	µg/L	NS	73	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
2,6-Dinitrotoluene	µg/L	NS	36	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
2-Nitrotoluene	µg/L	NS	110	**0.09 J**	0.48 U	0.48 U	0.5 U	**0.11 J**	0.5 U	0.48 U
3-Nitrotoluene	µg/L	NS	3.2	0.48 U	0.48 U	0.48 U	0.5 U	0.63 U	0.5 U	0.48 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
4-Nitrotoluene	µg/L	NS	3.2	0.48 U	0.48 U	0.48 U	0.5 U	0.63 U	0.5 U	0.48 U
HMX	µg/L	NS	1800	0.096 U	0.097 U	0.096 U	0.099 U	**1**	0.099 U	0.097 U
Nitrate-Nitrite	mg/L	10000	10000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	µg/L	NS	3.4	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U
Nitrocellulose	mg/L	NS	NS	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Nitroglycerin	µg/L	NS	4.8	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.63 U
PETN	µg/L	NS	NS	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.63 U
RDX	µg/L	NS	0.61	0.096 U	0.097 U	0.096 U	0.099 U	**0.5**	0.099 U	0.097 U
Tetryl	µg/L	NS	360	0.096 U	0.097 U	0.096 U	0.099 U	0.13 U	0.099 U	0.097 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-2 FWGWMP April 2007 Explosive and Propellant Analytical Results

Station ID				LL12mw-153	LL12mw-182	LL12mw-183	LL12mw-186	LL1mw-078	LL1mw-080	LL1mw-083
Sample ID		MCL	Region 9 PRG	FWGLL12MW-153C-0431-GW	FWGLL12MW-182C-0432-GW	FWGLL12MW-183C-0433-GW	FWGLL12MW-186C-0434-GW	FWGLL1mw-078C-0419-GW	FWGLL1mw-080C-0420-GW	FWGLL1mw-083C-0421-GW
Date Collected				4/19/2007	4/19/2007	4/19/2007	4/19/2007	4/16/2007	4/16/2007	4/16/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.097 U	0.098 U	0.099 U	**0.031 J**	0.1 U	**0.17**	**6.5 J**
1,3-Dinitrobenzene	µg/L	NS	3.6	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	0.096 U	0.48 R
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	**0.13**	**5.3 J**
2,4-Dinitrotoluene	µg/L	NS	73	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	0.096 U	**2.6 J**
2,6-Dinitrotoluene	µg/L	NS	36	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	**0.061 J**	**1 J**
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	**1.4**	**16 J**
2-Nitrotoluene	µg/L	NS	110	**0.097 J**	**0.1 J**	0.5 U	**0.1 J**	0.5 U	0.48 U	2.4 R
3-Nitrotoluene	µg/L	NS	3.2	0.48 U	0.49 U	0.5 U	0.49 U	0.5 U	0.48 U	2.4 R
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	**3.1**	**24 J**
4-Nitrotoluene	µg/L	NS	3.2	0.48 U	0.49 U	0.5 U	0.49 U	0.5 U	0.48 U	2.4 R
HMX	µg/L	NS	1800	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	**0.59**	**0.18 J**
Nitrate-Nitrite	mg/L	10000	10000	0.1 U	0.1 U	0.1 U	0.1 U	N/A	N/A	N/A
Nitrobenzene	µg/L	NS	3.4	0.097 U	0.098 U	0.099 U	0.098 U	**0.1**	0.096 U	0.48 R
Nitrocellulose	mg/L	NS	NS	0.5 UJ	0.15 J	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Nitroglycerin	µg/L	NS	4.8	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	3.1 R
PETN	µg/L	NS	NS	0.65 U	0.65 U	0.65 U	0.65 U	**0.42 J**	0.65 U	3.1 R
RDX	µg/L	NS	0.61	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	**2.3**	0.48 R
Tetryl	µg/L	NS	360	0.097 U	0.098 U	0.099 U	0.098 U	0.1 U	0.096 U	0.48 R

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-2 FWGWMP April 2007 Explosive and Propellant Analytical Results

Station ID				LL2mw-059	LL2mw-262	LL2mw-263	LL3mw-238	LL3mw-242	LL4mw-198	LL4mw-199
Sample ID		MCL	Region 9 PRG	FWGLL2mw-059c-0422-GW	FWGLL2mw-262C-0423-GW	FWGLL2mw-263C-0424-GW	FWGLL3mw-238C-0425-GW	*FWGLL3MW-242C-0426-GW	FWGLL4MW-198C-0427-GW	FWGLL4MW-199C-0428-GW
Date Collected				4/17/2007	4/17/2007	4/17/2007	4/16/2007	4/17/2007	4/17/2007	4/16/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.66**	0.1 U	0.1 U	**26 J**	0.099 U	0.1 U	0.098 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.098 U	0.1 U	0.1 U	0.5 R	0.099 U	0.1 U	0.098 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.098 U	0.1 U	0.1 U	**60 J**	0.099 U	0.1 U	0.098 U
2,4-Dinitrotoluene	µg/L	NS	73	**0.12**	0.1 U	0.1 U	0.5 R	0.099 U	0.1 U	0.098 U
2,6-Dinitrotoluene	µg/L	NS	36	0.098 U	0.1 U	0.1 U	0.5 R	0.099 U	0.1 U	0.098 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	**0.22**	0.1 U	0.1 U	**11 J**	0.099 U	0.1 U	0.098 U
2-Nitrotoluene	µg/L	NS	110	0.49 U	0.52 U	0.51 U	2.5 R	0.5 U	0.5 U	0.49 U
3-Nitrotoluene	µg/L	NS	3.2	0.49 U	0.52 U	0.51 U	2.5 R	0.5 U	0.5 U	0.49 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	**0.21**	0.1 U	0.1 U	**25 J**	0.099 U	0.1 U	0.098 U
4-Nitrotoluene	µg/L	NS	3.2	0.49 U	0.52 U	0.51 U	2.5 R	0.5 U	0.5 U	0.49 U
HMX	µg/L	NS	1800	**0.038 J**	0.1 U	0.1 U	**1.2 J**	0.099 U	0.1 U	0.098 U
Nitrate-Nitrite	mg/L	10000	10000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	µg/L	NS	3.4	0.098 U	0.1 U	0.1 U	0.5 R	0.099 U	0.1 U	0.098 U
Nitrocellulose	mg/L	NS	NS	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ
Nitroguanidine	µg/L	NS	NS	20 U	20 U U	20 U	20 UJ	20 U	20 U	20 U
Nitroglycerin	µg/L	NS	4.8	0.65 U	0.65 U	0.65 U	3.2 R	0.65 U	0.65 U	0.65 U
PETN	µg/L	NS	NS	0.65 U	0.65 U	**0.48 J**	3.2 R	0.65 U	**0.57 J**	0.65 U
RDX	µg/L	NS	0.61	0.098 U	0.1 U	0.1 U	**4.8 J**	0.099 U	0.1 U	0.098 U
Tetryl	µg/L	NS	360	0.098 U	0.1 U	0.1 U	0.5 R	0.099 U	0.1 U	0.098 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-2 FWGWMP April 2007 Explosive and Propellant Analytical Results

Station ID				WBGmw-006	WBGmw-007	WBGmw-009	RQLmw-007	RQLmw-008	RQLmw-009
Sample ID		MCL	Region 9 PRG	FWGWBGMW-006C-0438-GW	FWGWBGMW-007C-0439-GW	FWGWBGMW-009C-0440-GW	FWGRQLMW-007C-0441-GW	FWGRQLMW-008C-0442-GW	FWGRQLMW-009C-0443-GW
Date Collected				4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.5 U	0.1 U	0.1 UJ	0.1 U	0.099 U	0.1 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.5 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.5 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
2,4-Dinitrotoluene	µg/L	NS	73	0.5 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
2,6-Dinitrotoluene	µg/L	NS	36	0.5 U	0.1 U	0.1 U	0.1 U	**0.27**	0.1 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.5 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
2-Nitrotoluene	µg/L	NS	110	2.5 U	**0.091 J**	0.51 U	0.089 U	0.5 U	**0.11 J**
3-Nitrotoluene	µg/L	NS	3.2	2.5 U	0.5 U	0.51 U	0.5 U	0.5 U	0.5 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.5 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
4-Nitrotoluene	µg/L	NS	3.2	2.5 U	0.5 U	0.51 U	0.5 U	0.5 U	0.5 U
HMX	µg/L	NS	1800	**12**	0.1 U	**1.1**	0.1 U	0.099 U	0.1 U
Nitrate-Nitrite	mg/L	10000	10000	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	µg/L	NS	3.4	0.5 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U
Nitrocellulose	mg/L	NS	NS	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	**0.13 J**	0.5 UJ
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U
Nitroglycerin	µg/L	NS	4.8	3.2 U	0.66 U	0.66 U	0.66 U	0.65 U	0.65 U
PETN	µg/L	NS	NS	3.2 U	0.66 U	0.66 U	0.66 U	0.65 U	**0.88**
RDX	µg/L	NS	0.61	**51**	0.1 U	**3.4**	0.1 U	0.099 U	0.1 U
Tetryl	µg/L	NS	360	0.5 U	0.1 U	0.1 U	0.1 U	0.099 U	0.1 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-2 FWGWMP April 2007 Explosive and Propellant Analytical Results

Data Qualifiers

Data qualifier flags are used in an effort to describe the quality of each piece of data for each constituent. These flags are letter codes appended to the numerical data. The following data qualifiers are specified in the USACE Louisville Chemistry Guidelines (LCG). For a complete explanation of qualifiers used for each constituent please refer to the Data Verification Summaries in Appendix B.

U- The analyte was analyzed for but not detected. The numerical value preceding the U is the associated reporting limit.

J- The identification of the analyte is acceptable, but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision (i.e., the quantitative value is estimated). Examples include:
- Results detected above the laboratory MDL but less than the laboratory reporting limit.
- MS/MSD percent recoveries outside the acceptance criteria.
- Laboratory control sample (LCS) percent recoveries outside acceptance criteria.

R- Data are considered to be rejected and shall not be used. This flag denotes the failure of quality control criteria such that it cannot be determined if the analyte is present or absent from the sample [e.g., the method reporting limit (MRL) is below the laboratory control guidelines (LCG); associated sample results that were non-detect are unusable].

UJ- This flag is a combination of the U and J qualifiers which indicate that the analyte is not present. The reported value is considered to be an estimated reporting limit (RL).

B- The B flag is used for both organic and inorganic analyses when the analyte is found in the method blank or any of the field blanks. This designation overrides the Contract Laboratory Program (CLP) “B” designation when used by the laboratory as an estimated value for inorganics.

3.2.2 Inorganic Elements

Inorganic elements analytical results are presented in Table 3-3. The inorganics detected in the samples included: aluminum, arsenic, barium, beryllium, cadmium, calcium, cobalt, copper, cyanide, iron, magnesium, manganese, mercury, nickel, potassium, sodium, thallium and zinc. The inorganic elements that were detected were compared to facility-wide background levels, and against elements that are considered as essential nutrients to determine if they are to be considered as Site Related Contaminants (SRCs). Calcium, magnesium, iron, potassium, and sodium were eliminated as potential SRCs because they are considered as essential nutrients. Site-specific background levels for inorganic elements are presented in Table 3-4. The inorganic elements that were detected were compared to the appropriate background criteria to determine if they were SRCs. Elements not detected above reporting limits and facility-wide background levels include antimony, chromium, lead, selenium, silver, and vanadium. The following inorganic elements were detected above the method detection limits and the background levels reported in Table 3-4:

- Aluminum
    - Bedrock Zone - BKGmw-010 (156 µg/L), BKGmw-012 (8.1 µg/L J), LL1mw-083 (640 µg/L), LL2mw-262 (3.4 µg/L J), LL3mw-238 (15.5 µg/L J), LL3mw-242 (11.8 µg/L J), RQLmw-008 (29.4 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
    - Unconsolidated Zone – BKGmw-005 (4.9 µg/L J), BKGmw-016 (25.5 µg/L J), BKGmw-017 (419 µg/L), CBPmw-006 (25.2 µg/L J), LL11mw-002 (20.5 µg/L J), LL12mw-153 (13.3 µg/L J), LL12mw-182 (14.7 µg/L J), LL12mw-183 (5.3 µg/L J), LL12mw-186 (11.6 µg/L J), LL4mw-198 (28.2 µg/L J), WBGmw-009 (2.9 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
      There is no MCL for aluminum. The Region 9 PRG is 36,000 µg/L.

- Arsenic
    - Bedrock Zone – LL2mw-263 (12.9 µg/L), RQLmw-007 (53.6 µg/L), RQLmw-008 (53.3µg/L), RQLmw-009 (40.6 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L
    - Unconsolidated Zone –BKGmw-017 (15.4 µg/L), CBPmw-007 (44.9 µg/L), LL11mw-007 (18.2 µg/L), LL12mw-153 (14.6 µg/L), LL12mw-182 (35.3 µg/L), and LL12mw-183 (20.2 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 11.7 µg/L
      The MCL for arsenic is 10 ug/L.

- Barium
  - Bedrock Zone: BKGmw-012 (283 µg/L) and BKGmw-015 (302 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 256 µg/L.
  - Unconsolidated Zone: BKGmw-013 (93.6 µg/L), CBPmw-006 (150 µg/L), LL11mw-007 (88.1 µg/L), LL12mw-182 (85.8 µg/L), and LL4mw-199 (101 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 82.1 µg/L
    The MCL for barium is 2,000µg/L.

- Beryllium
  - Bedrock Zone: LL1mw-083 (0.19 µg/L J), RQLmw-008 (0.3 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
  - Unconsolidated Zone: None
    The MCL for beryllium is 4 µg/L.

- Cadmium
  - Bedrock Zone: BKGmw-010 (0.14 µg/L J), LL1mw-083 (0.29 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
  - Unconsolidated Zone: LL11mw-002 (1.2 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
    The MCL for cadmium is 5 µg/L.

- Cobalt
  - Bedrock Zone: LL1mw-078 (1.7 µg/L J), LL1mw-083 (6.8 µg/L), LL2mw-262 (1.3 µg/L B), LL2mw-263 (2.4 µg/L B), RQLmw-007 (8.7 µg/L), RQLmw-008 (2.8 µg/L J), RQLmw-009 (7 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
    Unconsolidated Zone: CBPmw-007 (2.2 µg/L B), LL12mw-186 (1.3 µg/L J), LL4mw-198 (1.4 µg/L B). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
    There is no MCL for cobalt. The Region 9 PRG is 730 µg/L.

- Copper

  Copper was detected at levels above the MDL in 30 of the 41 wells sampled in both bedrock and unconsolidated zones. Background criteria for Copper is 0 µg/L in both the bedrock and unconsolidated zones. All concentrations detected were flagged as being below the RL. These concentrations ranged from 1.9 µg/L to 4.5 µg/L. The Groundwater Unconsolidated and Bedrock Zones Background Criteria (filtered) are 0 mg/Kg.
  The MCL for copper is 1,300 µg/L.

- Cyanide
  - Bedrock Zone: none.
  - Unconsolidated Zone: CBPmw-006 (0.011 mg/L J), DA2mw-3 (0.009 mg/L J,B), WBGmw-006 (0.009 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 mg/Kg. The MCL for cyanide is 0.2 mg/L.

- Manganese
  - Bedrock Zone: RQLmw-007 (2,590 µg/L), RQLmw-009 (2050 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 1,340 µg/L.
  - Unconsolidated Zone: LL4mw-198 (1,330 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 1,020 µg/L. The MCL for Manganese is 50 µg/L.

- Nickel
  - Bedrock Zone: none.
  - Unconsolidated Zone: BKGmw-004 (1.9 µg/L J), BKGmw-005 (1.5 µg/L J), BKGmw-016 (2.6 µg/L J), BKGmw-017 (2.5 µg/L J), BKGmw-019 (4 µg/L J), CBPmw-006 (3.2 µg/L J), CBPmw-007 (3.8 µg/L J), DA2mw-107 (1.7 µg/L J), DA2mw-3 (1.6 µg/L J), LL12mw-153 (1.7 µg/L J), LL12mw-186 (3.8 µg/L J), LL4mw-198 (36.6 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
    There is no MCL for Nickel. The Region 9 PRG is 730 µg/L.

- Thallium
  - Bedrock Zone: LL1mw-078 (0.07 µg/L J), LL1mw-083 (0.041 µg/L J), RQLmw-007 (0.029 µg/L J), RQLmw-009, (0.079 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L
  - Unconsolidated Zone: BKGmw-017 (0.031 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
    The MCL for Thallium is 2 µg/L.

- Zinc
  - Bedrock Zone: None
  - Unconsolidated Zone: LL4mw-198 (94.6 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 60.9 µg/L. The MCL for zinc is 5,000 µg/L.

Table 3-3 FWGWMPP April 2007 Inorganics Analytical Results

Station ID				BKGmw-004	BKGmw-005	BKGmw-006	BKGmw-008	BKGmw-010	BKGmw-012	BKGmw-013	BKGmw-015
Sample ID		MCL	Region 9 PRG	FWGBKGMW-004C-0405-GF	FWGBKGMW-005C-0406-GF	FWGBKGMW-006C-0407-GF	FWGBKGMW-008C-0408-GF	FWGBKGMW-010C-0409-GF	FWGBKGMW-012C-0410-GF	FWGBKGMW-013C-0411-GF	FWGBKGMW-015C-0412-GF
Date Collected				4/19/2007	4/18/2007	4/18/2007	4/19/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	NS	36000	50 U	**4.9 J**	50 U	50 U	156	**8.1 J**	50 U	50 U
Antimony	µg/L	6	15	2 U	2 UJ	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U
Arsenic	µg/L	10	0.045	5 U	5 U	5 U	5 U	5 U	5 U	**10.3**	5 U
Barium	µg/L	2000	2600	**20.2**	**14.8**	**11.7**	**5 J**	**21.4**	**283**	**93.6**	**302**
Beryllium	µg/L	4	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	µg/L	5	NS	0.5 U	0.5 U	0.5 U	0.5 U	**0.14 J**	0.5 U	0.5 U	0.5 U
Calcium	µg/L	NS	NS	**17200**	**86700**	**76200**	**30300**	**11600**	**28600**	**76100**	**31600**
Chromium	µg/L	100	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	µg/L	NS	730	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	µg/L	1300	1500	**2.7 J,B**	**2.8 J**	**2.1 J**	**2.3 J,B**	**3.6 J,B**	**2.1 J**	**2.2 J**	**3.2 J,B**
Cyanide	mg/L	0.2	0.73	0.01 R	0.01 UJ	0.01 UJ	0.01 R	0.01 R	0.01 UJ	0.1 UJ	0.01 U
Iron	µg/L	300	11000	**53.8 J**	**347**	**1540**	**95.4**	**43.4**	**469**	**1150**	**128**
Lead	µg/L	15	NS	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Magnesium	µg/L	NS	NS	**6260**	**21100**	**23100**	**12200**	**15600**	**9530**	**25700**	**13200**
Manganese	µg/L	50	880	**0.89 J**	**2.2 J**	**209**	**0.27 J**	**944**	**34.6**	**434**	**11.3**
Mercury	µg/L	2	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	µg/L	NS	730	**1.9 J**	**1.5 J**	**3.8 J**	10 U	**78.7**	10 U	10 U	**3.5 J**
Potassium	µg/L	NS	NS	**653 J**	**399 J**	**1340**	**480 J**	**540 J**	**4640**	**1750**	**4780**
Selenium	µg/L	50	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	µg/L	100	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	µg/L	NS	NS	**12900**	**3240**	**44200**	**10200**	**3730**	**42900**	**12800**	**14200**
Thallium	µg/L	2	2.4	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U
Vanadium	µg/L	NS	36	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	µg/L	5000	11000	**5 J**	**12.7 B**	6 **J,B**	**3.9 J**	**11.6**	**11.7 B**	**7.5 J,B**	**13.6**

Notes:
* FWGLL3MW-242C-0426-GF was labeled and identified to the lab as FWGLL3MW-240C-0426-GF
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMPP April 2007 Inorganics Analytical Results

Station ID				BKGmw-016	BKGmw-017	BKGmw-018	BKGmw-019	BKGmw-020	BKGmw-021	CBPmw-006	CBPmw-007
Sample ID		MCL	Region 9 PRG	FWGBKGMW-016C-0413-GF	FWGBKGMW-017C-0414-GF	FWGBKGMW-018C-0415-GF	FWGBKGMW-019C-0416-GF	FWGBKGMW-020C-0417-GF	FWGBKGMW-021C-0418-GF	FWGCBPMW-006C-0435-GF	FWGCBPMW-007C-0436-GF
Date Collected				4/18/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007	4/17/2007	4/17/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	NS	36000	**25.5 J**	**419**	50 U	50 U	50 U	50 U	**25.2 J**	50 U
Antimony	µg/L	6	15	2 UJ	2 U	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 UJ
Arsenic	µg/L	10	0.045	5 U	**15.4**	5 U	5 U	5 U	5 U	**9.2**	**44.9**
Barium	µg/L	2000	2600	**13.9**	**40.1**	**21.7**	**46.1**	**147**	**30.4**	**150**	**9.9 J**
Beryllium	µg/L	4	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	µg/L	5	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	µg/L	NS	NS	**9950**	**88600**	**47900**	**118000**	**49200**	**82400**	**78800**	**265000**
Chromium	µg/L	100	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	µg/L	NS	730	5 U	5 U	5 U	5 U	5 U	5 U	5 U	**2.2 B**
Copper	µg/L	1300	1500	**2.6 J**	**4.5 J,B**	**2.8 J**	**3.3 J**	**2.4 J**	**2.8 J,B**	**2.4 J**	5 U
Cyanide	mg/L	0.2	0.73	0.01 UJ	0.01 R	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	**0.011 J**	0.01 U
Iron	µg/L	300	11000	**111**	**2050**	**275**	**540**	**2040**	**293**	**718**	**5610 J**
Lead	µg/L	15	NS	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Magnesium	µg/L	NS	NS	**4190**	**40000**	**5290**	**33800**	**15500**	**47700**	**31500**	**145000**
Manganese	µg/L	50	880	**5 J**	**190**	**28.4**	**70.8**	**706**	10 U	**71.7**	**117**
Mercury	µg/L	2	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	µg/L	NS	730	**2.6 J**	**2.5 J**	10 U	**4 J**	**2.3 J**	10 U	**3.2 J**	**3.8 J**
Potassium	µg/L	NS	NS	**509 J**	**4760**	**1090**	**1320**	**2540**	**689 J**	**1900**	**4960**
Selenium	µg/L	50	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	µg/L	100	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	µg/L	NS	NS	**2640**	**22200**	**1640**	**8770**	**8090**	**15800**	**16400**	**88300**
Thallium	µg/L	2	2.4	1 UJ	**0.031 J**	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U
Vanadium	µg/L	NS	36	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	µg/L	5000	11000	**6.1 J,B**	**12.4**	**6.2 J,B**	**6.5 J,B**	10.9 **B**	**6 J**	**10.7 B**	**7.2 J,B**

Notes:
* FWGLL3MW-242C-0426-GF was labeled and identified to the lab as FWGLL3MW-240C-0426-GF
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMPP April 2007 Inorganics Analytical Results

Station ID				DA2mw-107	DA2mw-3	DA2mw-4	LL11mw-002	LL11mw-007	LL12mw-153	LL12mw-182	LL12mw-183
Sample ID		MCL	Region 9 PRG	FWGDA2MW-DET1bR-0437-GF	FWGDETMW-3bR-0444-GF	FWGDETMW-4bR-0445-GF	FWGLL11MW-002C-0429-GF	FWGLL11MW-007C-0430-GF	FWGLL12MW-153C-0431-GF	FWGLL12MW-182C-0432-GF	FWGLL12MW-183C-0433-GF
Date Collected				4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/19/2007	4/19/2007	4/19/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	NS	36000	50 U	50 U	50 U	**20.5 J**	50 U	**13.3 J**	**14.7 J**	**5.3 J**
Antimony	µg/L	6	15	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 U	2 U	2 U
Arsenic	µg/L	10	0.045	5 U	**8.6**	5 U	5 U	**18.2**	**14.6**	**35.3**	**20.2**
Barium	µg/L	2000	2600	**28.8**	**52.3**	**43.7**	**26.1**	**88.1**	**74.9**	**85.8**	**78.4**
Beryllium	µg/L	4	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	µg/L	5	NS	0.5 U	0.5 U	0.5 U	**1.2**	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	µg/L	NS	NS	**81000**	**91000**	**140000**	**93400**	**90500**	**138000**	**83700**	**116000**
Chromium	µg/L	100	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	µg/L	NS	730	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	µg/L	1300	1500	5 U	**2.4 J**	**2.5 J**	**2 J**	5 U	**3 J,B**	**2.4 J,B**	**2.8 J,B**
Cyanide	mg/L	0.2	0.73	0.01 U	**0.009 J,B**	0.01 U	0.01 U	0.01 U	0.01 R	0.01 U	0.01 R
Iron	µg/L	300	11000	**952 J**	**1990 J**	**528 J**	**402 J**	**1560 J**	**4000**	**1170**	**830**
Lead	µg/L	15	NS	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Magnesium	µg/L	NS	NS	**27300**	**33300**	**28700**	**23900**	**32200**	**75500**	**61900**	**46200**
Manganese	µg/L	50	880	**347**	**291**	**1.6 J**	**277**	**214**	**198**	**52.6**	**53.4**
Mercury	µg/L	2	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	µg/L	NS	730	**1.7 J**	**1.6 J**	10 U	10 U	10 U	**1.7 J**	10 U	10 U
Potassium	µg/L	NS	NS	**1320**	**1600**	**1470**	**1390**	**1310**	**1950**	**3950**	**3880**
Selenium	µg/L	50	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	µg/L	100	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	µg/L	NS	NS	**9250**	**13200**	**3750**	**6240**	**13600**	**25400**	**27300**	**18700**
Thallium	µg/L	2	2.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vanadium	µg/L	NS	36	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	µg/L	5000	11000	10.4 U	**7.8 J,B**	**12.1 B**	**19.5 B**	**6.7 J,B**	**7.9 J**	**6.1 J**	**5 J**

Notes:
* FWGLL3MW-242C-0426-GF was labeled and identified to the lab as FWGLL3MW-240C-0426-GF
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMPP April 2007 Inorganics Analytical Results

Station ID				LL12mw-186	LL1mw-078	LL1mw-080	LL1mw-083	LL2mw-059	LL2mw-262	LL2mw-263	LL3mw-238
Sample ID		MCL	Region 9 PRG	FWGLL12MW-186C-0434-GF	FWGLL1mw-078C-0419-GF	FWGLL1mw-080C-0420-GF	FWGLL1mw-083C-0382-GF	FWGLL2mw-059c-0422-GF	FWGLL2mw-262C-0423-GF	FWGLL2mw-263C-0424-GF	FWGLL3mw-238C-0425-GF
Date Collected				4/19/2007	4/16/2007	4/16/2007	4/16/2007	4/17/2007	4/17/2007	4/17/2007	4/16/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	NS	36000	**11.6 J**	50 U	50 U	**640**	50 U	**3.4 J**	50 U	**15.5 J**
Antimony	µg/L	6	15	2 U	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Arsenic	µg/L	10	0.045	5 U	5 U	5 U	5 U	5 U	5 U	**12.9**	5 U
Barium	µg/L	2000	2600	**46.9**	**7 J**	10 U	**16.4**	**17.6**	**15.2**	**19.2**	**5.1 B**
Beryllium	µg/L	4	NS	1 U	1 U	1 U	**0.19 J**	1 U	1 U	1 U	1 U
Cadmium	µg/L	5	NS	0.5 U	0.5 U	0.5 U	**0.29 J**	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	µg/L	NS	NS	**139000**	**53000**	**43300**	**17300**	**45300**	**42500**	**29600**	**36700**
Chromium	µg/L	100	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	µg/L	NS	730	**1.3 J**	**1.7 J**	5 U	**6.8**	5 U	**1.3 B**	**2.4 B**	5 U
Copper	µg/L	1300	1500	**3.4 J,B**	5 U	5 U	**2.9 J**	**3.1 J**	**1.8 J**	5 U	5 U
Cyanide	mg/L	0.2	0.73	0.01 U	0.01 U	0.01 U	0.01 U	0.01 R	0.01 U	0.01 U	0.01 U
Iron	µg/L	300	11000	**820**	**212 J**	**159 J**	**61.2 J**	**176**	**200 J**	**4160 J**	**185 J**
Lead	µg/L	15	NS	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Magnesium	µg/L	NS	NS	**64100**	**7410**	**3260**	**4490**	**7910**	**30300**	**12900**	**3970**
Manganese	µg/L	50	880	**287**	**24.2**	**3.5 J**	**427**	**9.5 J**	**281**	**1200**	**1.8 J,B**
Mercury	µg/L	2	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	µg/L	NS	730	**3.8 J**	**4.4 J**	**2.8 J**	**26.9**	**3.7 J**	**14.3**	**5.7 J**	**1.7 B**
Potassium	µg/L	NS	NS	**1340**	**2080**	**1410**	**2280**	**589 J**	**1600**	**602 J**	**1500 J**
Selenium	µg/L	50	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	µg/L	100	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	µg/L	NS	NS	**16200**	**6450**	**1130**	**11800**	**8530**	**9180**	**5240**	**2120**
Thallium	µg/L	2	2.4	1 U	**0.07 J**	1 U	**0.041 J**	1 UJ	1 U	1 U	1 U
Vanadium	µg/L	NS	36	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	µg/L	5000	11000	**6 J**	**5.9 J,B**	**6.5 J,B**	**38.3**	**6.6 J,B**	**6.6 J,B**	**6.6 J,B**	**5.5 J,B**

Notes:
* FWGLL3MW-242C-0426-GF was labeled and identified to the lab as FWGLL3MW-240C-0426-GF
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMPP April 2007 Inorganics Analytical Results

Station ID				LL3mw-242	LL4mw-198	LL4mw-199	WBGmw-006	WBGmw-007	WBGmw-009	RQLmw-007	RQLmw-008	RQLmw-009
Sample ID		MCL	Region 9 PRG	*FWGLL3MW-242C-0426-GF	FWGLL4MW-198C-0427-GF	FWGLL4MW-199C-0428-GF	FWGWBGMW-006C-0438-GF	FWGWBGMW-007C-0439-GF	FWGWBGMW-009C-0440-GF	FWGRQLMW-007C-0441-GF	FWGRQLMW-008C-0442-GF	FWGRQLMW-009C-0443-GF
Date Collected				4/17/2007	4/17/2007	4/16/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
Aluminum	µg/L	NS	36000	**11.8 J**	**28.2 J**	50 U	50 U	50 U	**2.9 J**	50 U	**29.4 J**	50 U
Antimony	µg/L	6	15	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Arsenic	µg/L	10	0.045	5 U	5 U	**8.9**	5 U	5 U	5 U	**53.6**	**53.3**	**40.6**
Barium	µg/L	2000	2600	**8.5 J**	**12.8**	**101**	**26.5**	**22.3**	**9.7 J**	**58.8**	**152**	**56.3**
Beryllium	µg/L	4	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	**0.3 J**	1 U
Cadmium	µg/L	5	NS	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Calcium	µg/L	NS	NS	**11700**	**29200**	**85500**	**68200**	**63700**	**46200**	**161000**	**86200**	**33900**
Chromium	µg/L	100	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	µg/L	NS	730	5 U	**1.4 J**	5 U	5 U	5 U	5 U	**8.7**	**2.8 J**	**7**
Copper	µg/L	1300	1500	**2.6 J**	5 U	5 U	**2.2 J**	**2 J**	**2.1 J**	5 U	**1.9 J**	5 U
Cyanide	mg/L	0.2	0.73	0.01 U	0.01 U	0.01 U	**0.009 J**	0.01 UJ	0.01 UJ	0.01 U	0.01 U	0.01 U
Iron	µg/L	300	11000	**51.2 J**	**5400 J**	**2460 J**	**278**	**350**	**196**	**21700 J**	**134000 J**	**21700 J**
Lead	µg/L	15	NS	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Magnesium	µg/L	NS	NS	**5750**	**14100**	**21500**	**22600**	**14900**	**14300**	**133000**	**41600**	**36900**
Manganese	µg/L	50	880	**7.7 J**	**1330**	**425**	**54.6**	**46.8**	**52.6**	**2590**	**930**	**2050**
Mercury	µg/L	2	11	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	µg/L	NS	730	**8.2 J**	**36.6**	10 U	10 U	10 U	10 U	**12.5**	**9 J**	**5.5 J**
Potassium	µg/L	NS	NS	**721 J**	**1060**	**1240**	**784 J**	**1030**	**475 J**	**9050**	**5940**	**4430**
Selenium	µg/L	50	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Silver	µg/L	100	180	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	µg/L	NS	NS	**9480**	**9650**	**9230**	**6350**	**3620**	**4060**	**9960**	**10900**	**4360**
Thallium	µg/L	2	2.4	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	**0.029 J**	1 U	**0.079 J**
Vanadium	µg/L	NS	36	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Zinc	µg/L	5000	11000	**8.2 J,B**	**94.6**	**6.7 J,B**	**5.1 J,B**	**6 J,B**	5.4 **J,B**	**32.4 J,B**	**9.3 J,B**	**7.7 J,B**

Notes:
* FWGLL3MW-242C-0426-GF was labeled and identified to the lab as FWGLL3MW-240C-0426-GF
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP April 2007 Inorganics Analytical Results

Data Qualifiers

Data qualifier flags are used in an effort to describe the quality of each piece of data for each constituent. These flags are letter codes appended to the numerical data. The following data qualifiers are specified in the USACE Louisville Chemistry Guidelines (LCG). For a complete explanation of qualifiers used for each constituent please refer to the Data Verification Summaries in Appendix B.

U- The analyte was analyzed for but not detected. The numerical value preceding the U is the associated reporting limit.

J- The identification of the analyte is acceptable, but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision (i.e., the quantitative value is estimated). Examples include:
- Results detected above the laboratory MDL but less than the laboratory reporting limit.
- MS/MSD percent recoveries outside the acceptance criteria.
- Laboratory control sample (LCS) percent recoveries outside acceptance criteria.

R- Data are considered to be rejected and shall not be used. This flag denotes the failure of quality control criteria such that it cannot be determined if the analyte is present or absent from the sample [e.g., the method reporting limit (MRL) is below the laboratory control guidelines (LCG); associated sample results that were non-detect are unusable].

UJ- This flag is a combination of the U and J qualifiers which indicate that the analyte is not present. The reported value is considered to be an estimated reporting limit (RL).

B- The B flag is used for both organic and inorganic analyses when the analyte is found in the method blank or any of the field blanks. This designation overrides the Contract Laboratory Program (CLP) “B” designation when used by the laboratory as an estimated value for inorganics.

Table 3-4 RVAAP Facility-wide Background Criteria, (SAIC, 2001b)

Media Units	Surface Soil mg/kg	Subsurface Soil mg/kg	Sediment mg/kg	Surface Water ug/L	Groundwater Bedrock Zone Filtered ug/L	Groundwater Bedrock Zone Unfiltered ug/L	Groundwater Unconsolidated Zone Filtered ug/L	Groundwater Unconsolidated Unfiltered ug/L
Analyte								
Cyanide	0	0	0	0	0	0	0	0
Aluminum	17700	19500	13900	3370	0	9410	0	0
Antimony	0.96	0.96	0	0	0	0	0	0
Arsenic	15.4	19.8	19.5	3.2	0	19.1	11.7	11.7
Barium	88.4	124	123	47.5	256	241	82.1	82.1
Beryllium	0.88	0.88	0.38	0	0	0	0	0
Cadmium	0	0	0	0	0	0	0	0
Calcium	15800	35500	5510	41400	53100	48200	115000	115000
Chromium	17.4	27.2	18.1	0	0	19.5	7.3	7.3
Cobalt	10.4	23.2	9.1	0	0	0	0	0
Copper	17.7	32.3	27.6	7.9	0	17	0	0
Iron	23100	35200	28200	2560	1430	21500	279	279
Lead	26.1	19.1	27.4	0	0	23	0	0
Magnesium	3030	8790	2760	10800	15000	13700	43300	43300
Manganese	1450	3030	1950	391	1340	1260	1020	1020
Mercury	0.036	0.044	0.059	0	0	0	0	0
Nickel	21.1	60.7	17.7	0	83.4	85.3	0	0
Potassium	927	3350	1950	3170	5770	6060	2890	2890
Selenium	104	105	107	0	0	0	0	0
Silver	0	0	0	0	0	0	0	0
Sodium	123	145	112	21300	51400	49700	45700	45700
Thallium	0	0.91	0.89	0	0	0	0	0
Vanadium	31.1	37.6	26.1	0	0	15.5	0	0
Zinc	61.8	93.3	532	42	52.3	193	60.9	60.9

3.2.3 Volatile Organic Compounds (VOCs)

VOC analytical results are summarized in Table 3-5. The following VOCs were detected above the MDL for this sampling event.

- Benzene - BKGmw-012 ((0.81 µg/L J). The MCL for benzene is 5 ug/L.
- Methylene Chloride – BKGmw-004 (0.29 µg/L J), BKGmw-012 (0.26 µg/L J,B), BKGmw-13 (0.24 µg/L J,B), WBGmw-007 (0.26 µg/L J,B). There is no MCL for methylene chloride. The Region 9 PRG is 1,300 µg/L.
- 2-Butanone – BKGmw-018 (0.51 µg/L J,B). There is no MCL for 2-Butanone. The Region 9 PRG is 7,000 µg/L.
- 1,1-Dichloroethene DA2mw-4 (0.3 µg/L J). There is no MCL for 1,1-Dichloroethene. The Region 9 PRG is 810 µg/L.

3.2.4 Semivolatile Organic Compounds (SVOCs)

SVOC analytical results are summarized in Table 3-6. The following SVOCs were detected above the MDL for this sampling event. Note that 2,4-Dinitrotoluene and 2,6-Dinitrotoluene are analyzed and reported under both SW-846 Methods 8330 (explosives and propellants and 8270 (SVOCs).

- Benzoic Acid – BKGmw-004 (9.5 µg/L J), BKGmw-017 (8.9 µg/L J), BKGmw021 (8.9 µg/L J), LL12mw-182 (8.3 µg/L J), LL12mw-186 (8.5 µg/L J), WBGmw-007 (8.2 µg/L J). There is no MCL for Benzoic Acid. The Region 9 PRG is 150,000 µg/L.
- Bis(2-Ethylhexyl)phthalate – BKGmw-010 (24 µg/L), BKGmw-015 (1.9 µg/L J), BKGmw-021 (1.1 µg/L J), LL1mw-080 (5 µg/L J), LL11mw007 (0.9 µg/L J), LL12 mw-153 (3 µg/L J), LL12mw-182 (1.4 µg/L J), LL12mw-183 (1.9 µg/L J), LL12mw-186 (2 µg/L J), LL1mw-078 (2.4 µg/L J), LL3mw238 (4 µg/L J) DA2mw-4 (1.9 µg/L J), RQLmw-007 (2.3 µg/L J), RQLmw-008 (1.9 µg/L J), RQLmw-009 (1.6 µg/L J). There is no MCL for Bis(2-Ethylhexyl)phthalate. The Region 9 PRG is 4.8 µg/L.
- Diethyl phthalate – LL1mw-078 (0.81 µg/L J,B), LL1mw-080 (0.83 µg/L J,B), LL3mw-238 (0.8 µg/L J,B), RQLmw-007 (0.86 µg/L J,B), RQLmw-008 (0.83 µg/L J,B), RQLmw-009 (0.81 µg/L J,B). There is no MCL or Region 9 PRG for Diethyl phthalate.

- Di-n-octyl phthalate BKGmw-004 (1.2 µg/L), DA2mw-3 (1.1 µg/L). There is no MCL for Di-n-octyl phthalate. The Region 9 PRG is 1,500 µg/L.

- 2,4-Dinitrotoluene – LL1mw083 (2.3 µg/L J). There is no MCL for 2,4-Dinitrotoluene. The Region 9 PRG is 73 µg/L.

- 2,6-Dinitrotoluene - DA2mw-3 (4.6 µg/L J), LL1mw083 (1.6 µg/L J). There is no MCL for 2,6-Dinitrotoluene. The Region 9 PRG is 36 µg/L.

- Fluorene – RQLmw-008 (0.66 µg/L).There is no MCL or Region 9 PRG for Fluorene.

3.2.5 Pesticides and Polychlorinated Biphenyls (PCBs)

Pesticides and PCBs analytical results are summarized in Table 3-7. PCBs were not detected above reporting limits. The following pesticides were detected above the MDL for this sampling event.

- Methoxychlor – BKgmw-008 (0.012 µg/L J), BKGmw-010 (0.028 µg/L J), BKgmw-015 (0.061 µg/L J), BKGmw-018 (0.016 µg/L J), CBPmw-006 (0.028 µg/L J), LL11mw-002 (0.031 µg/L J), LL11mw-007 (0.038 µg/L J), LL12mw-153 (0.031 µg/L J), LL12mw-183 (0.012 µg/L J), LL12mw-186 (0.09 µg/L J), LL1mw-083 (0.028 µg/L J), LL2mw-059 (0.025 µg/L J), LL3mw-242 (0.021 µg/L J), LL4mw-198 (0.38 µg/L J). The MCL for Methoxychlor is 40 µg/L.

- alpha-BHC – LL1mw-083 (0.011 µg/L J). There is no MCL for alpha-BHC. The Region 9 PRG is 0.011 µg/L.

- beta-BHC – BKGmw-020 (0.0081 µg/L J), LL1mw-083 (0.17 µg/L J), LL11mw-002 (0.21 µg/L B), LL2mw-059 (0.0094 µg/L B. J), WBGmw-009 (0.0087 µg/L J), RQLmw-009 (0.008& µg/L J). There is no MCL for beta-BHC. The Region 9 PRG is 0.032 µg/L.

- 4,4'-DDT – LL1mw-083 (0.024 µg/L J). There is no MCL for 4,4'-DDT. The Region 9 PRG is 0.2 µg/L.

- Endrin Ketone – LL1mw-083 (0.44 µg/L J). There is no MCL or region 9 PRG for Endrin Ketone.

- alpha-Chordane – LL2mw-059 (0.027 µg/L J), There is no MCL or Region 9 PRG for alpha-Chordane.

Table 3-5 FWGWMP April 2007 VOCs Analytical results

Station ID				BKGmw-004	BKGmw-005	BKGmw-006	BKGmw-008	BKGmw-010	BKGmw-012	BKGmw-013	BKGmw-015	BKGmw-016
Sample ID		MCL	Region 9 PRG	FWGBKGMW-004C-0405-GW	FWGBKGMW-005C-0406-GW	FWGBKGMW-006C-0407-GW	FWGBKGMW-008C-0408-GW	FWGBKGMW-010C-0409-GW	FWGBKGMW-012C-0410-GW	FWGBKGMW-013C-0411-GW	FWGBKGMW-015C-0412-GW	FWGBKGMW-016C-0413-GW
Date Collected				4/19/2007	4/18/2007	4/18/2007	4/19/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
1,1,1-Trichloroethane	µg/L	NS	3200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	7	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (total)	µg/L	NS	810	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	µg/L	NS	0.0053	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ
1,2-Dichloroethane	µg/L	5	0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5	0.16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	µg/L	NS	7000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 R	10 U	10 U	10 R	10 R	10 U	10 U	10 R	10 U
Benzene	µg/L	5	0.35	1 U	1 U	1 U	1 U	1 U	**0.81 J**	1 U	1 U	1 U
Bromochloromethane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	NS	0.13	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ
Bromoform	µg/L	NS	8.5	1 UJ	1 R	1 R	1 UJ	1 UJ	1 R	1 R	1 UJ	1 R
Bromomethane	µg/L	NS	8.7	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 U	1 U	1 U
Carbon disulfide	µg/L	NS	1000	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 UJ	1 U
Carbon tetrachloride	µg/L	5	0.17	1 U	1 R	1 R	1 U	1 U	1 R	1 R	1 U	1 R
Chlorobenzene	µg/L	NS	110	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	NS	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	NS	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	NS	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-dichloroethene	µg/L	70	61	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1 UJ	1 R	1 R	1 UJ	1 UJ	1 R	1 R	1 UJ	1 R
Dibromochloromethane	µg/L	NS	0.13	1 UJ	1 R	1 R	1 UJ	1 UJ	1 R	1 R	1 UJ	1 R
Ethylbenzene	µg/L	700	1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-xylenes	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	µg/L	NS	1300	**0.29 J**	2 U	2 U	2 U	2 U	**0.26 J,B**	**0.24 J,B**	2 U	2 U
o-xylene	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	µg/L	100	1600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	µg/L	5	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1000	720	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	µg/L	10000	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-dichloroethene	µg/L	100	120	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1 R	1 R	1 R	1 R	1 R	1 R	1 R	1 R	1 R
Trichloroethene	µg/L	5	0.028	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	2	0.02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-5 FWGWMP April 2007 VOCs Analytical results

Station ID				BKGmw-017	BKGmw-018	BKGmw-019	BKGmw-020	BKGmw-021	CBPmw-006	CBPmw-007	DA2mw-107	DA2mw-3
Sample ID		MCL	Region 9 PRG	FWGBKGMW-017C-0414-GW	FWGBKGMW-018C-0415-GW	FWGBKGMW-019C-0416-GW	FWGBKGMW-020C-0417-GW	FWGBKGMW-021C-0418-GW	FWGCBPMW-006C-0435-GW	FWGCBPMW-007C-0436-GW	DET1bR-0437-GW	FWGDETMW-3bR-0444-GW
Date Collected				4/19/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
1,1,1-Trichloroethane	µg/L	NS	3200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	7	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (total)	µg/L	NS	810	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	µg/L	NS	0.0053	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
1,2-Dichloroethane	µg/L	5	0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5	0.16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	µg/L	NS	7000	10 U	**0.51 J,B**	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 R	10 U	10 U	10 U	10 R	10 U	10 R	10 U	10 U
Benzene	µg/L	5	0.35	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	NS	0.13	1 U	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ
Bromoform	µg/L	NS	8.5	1 UJ	1 R	1 R	1 R	1 UJ	1 R	1 R	1 R	1 R
Bromomethane	µg/L	NS	8.7	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Carbon disulfide	µg/L	NS	1000	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U
Carbon tetrachloride	µg/L	5	0.17	1 U	1 R	1 R	1 R	1 U	1 R	1 U	1 R	1 R
Chlorobenzene	µg/L	NS	110	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	NS	4.6	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
Chloroform	µg/L	NS	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	NS	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-dichloroethene	µg/L	70	61	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1 UJ	1 R	1 R	1 R	1 UJ	1 R	1 UJ	1 R	1 R
Dibromochloromethane	µg/L	NS	0.13	1 UJ	1 R	1 R	1 R	1 UJ	1 R	1 U	1 R	1 R
Ethylbenzene	µg/L	700	1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-xylenes	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	µg/L	NS	1300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-xylene	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	µg/L	100	1600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	µg/L	5	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1000	720	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	µg/L	10000	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-dichloroethene	µg/L	100	120	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 R	1 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1 R	1 R	1 R	1 R	1 R	1 R	1 U	1 U	1 R
Trichloroethene	µg/L	5	0.028	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	2	0.02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:

* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-5 FWGWMP April 2007 VOCs Analytical results

Station ID				DA2mw-4	LL11mw-002	LL11mw-007	LL12mw-153	LL12mw-182	LL12mw-183	LL12mw-186	LL1mw-078	LL1mw-080
Sample ID		MCL	Region 9 PRG	FWGDETMW-4bR-0445-GW	FWGLL11MW-002C-0429-GW	FWGLL11MW-007C-0430-GW	FWGLL12MW-153C-0431-GW	FWGLL12MW-182C-0432-GW	FWGLL12MW-183C-0433-GW	FWGLL12MW-186C-0434-GW	FWGLL1mw-078C-0419-GW	FWGLL1mw-080C-0420-GW
Date Collected				4/17/2007	4/17/2007	4/17/2007	4/19/2007	4/19/2007	4/19/2007	4/19/2007	4/16/2007	4/16/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
1,1,1-Trichloroethane	µg/L	NS	3200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.43	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	7	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (total)	µg/L	NS	810	**0.3 J**	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	µg/L	NS	0.0053	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,2-Dichloroethane	µg/L	5	0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5	0.16	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	µg/L	NS	7000	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 U	10 U
Benzene	µg/L	5	0.35	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	NS	0.13	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Bromoform	µg/L	NS	8.5	1 R	1 R	1 R	1 UJ	1 UJ	1 UJ	1 UJ	1 R	1 R
Bromomethane	µg/L	NS	8.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Carbon disulfide	µg/L	NS	1000	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 U	1 U
Carbon tetrachloride	µg/L	5	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 R	1 R
Chlorobenzene	µg/L	NS	110	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	NS	4.6	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	NS	0.17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	NS	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-dichloroethene	µg/L	70	61	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 R	1 R
Dibromochloromethane	µg/L	NS	0.13	1 U	1 U	1 U	1 UJ	1 UJ	1 UJ	1 UJ	1 R	1 R
Ethylbenzene	µg/L	700	1300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-xylenes	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Methylene chloride	µg/L	NS	1300	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
o-xylene	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Styrene	µg/L	100	1600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	µg/L	5	0.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1000	720	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	µg/L	10000	10000	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
trans-1,2-dichloroethene	µg/L	100	120	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1 UJ	1 UJ	1 UJ	1 R	1 R	1 R	1 R	1 R	1 R
Trichloroethene	µg/L	5	0.028	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	2	0.02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-5 FWGWMP April 2007 VOCs Analytical results

Station ID				LL1mw-083	LL2mw-059	LL2mw-262	LL2mw-263	LL3mw-238	LL3mw-242	LL4mw-198	LL4mw-199	WBGmw-006
Sample ID		MCL	Region 9 PRG	FWGLL1mw-083C-0421-GW	FWGLL2mw-059c-0422-GW	FWGLL2mw-262C-0423-GW	FWGLL2mw-263C-0424-GW	FWGLL3mw-238C-0425-GW	*FWGLL3MW-242C-0426-GW	FWGLL4MW-198C-0427-GW	FWGLL4MW-199C-0428-GW	FWGWBGMW-006C-0438-GW
Date Collected				4/16/2007	4/17/2007	4/17/2007	4/17/2007	4/16/2007	4/17/2007	4/17/2007	4/16/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
1,1,1-Trichloroethane	µg/L	NS	3200	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.43	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	7	NS	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,1-Dichloroethene (total)	µg/L	NS	810	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,2-Dibromoethane	µg/L	NS	0.0053	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ
1,2-Dichloroethane	µg/L	5	0.12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5	0.16	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
2-Butanone	µg/L	NS	7000	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 R	10 U	10 U	10 R	10 UJ	10 U	10 R	10 U	10 U
Benzene	µg/L	5	0.35	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Bromochloromethane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	NS	0.13	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ
Bromoform	µg/L	NS	8.5	1 R	1 R	1 R	1 R	1 R	1 R	1 R	1 R	1 R
Bromomethane	µg/L	NS	8.7	1 UJ	1 U	1 UJ	1 U	1 UJ	1 UJ	1 U	1 UJ	1 UJ
Carbon disulfide	µg/L	NS	1000	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 U
Carbon tetrachloride	µg/L	5	0.17	1 U	1 R	1 R	1 U	1 R	1 R	1 U	1 R	1 R
Chlorobenzene	µg/L	NS	110	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Chloroethane	µg/L	NS	4.6	1 UJ	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 U	1 U
Chloroform	µg/L	NS	0.17	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Chloromethane	µg/L	NS	160	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-dichloroethene	µg/L	70	61	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1 UJ	1 R	1 R	1 UJ	1 R	1 R	1 UJ	1 R	1 R
Dibromochloromethane	µg/L	NS	0.13	1 U	1 R	1 R	1 U	1 R	1 R	1 U	1 R	1 R
Ethylbenzene	µg/L	700	1300	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
m&p-xylenes	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
Methylene chloride	µg/L	NS	1300	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
o-xylene	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
Styrene	µg/L	100	1600	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Tetrachloroethene	µg/L	5	0.1	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Toluene	µg/L	1000	720	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Total Xylenes	µg/L	10000	10000	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
trans-1,2-dichloroethene	µg/L	100	120	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1 UJ	1 R	1 R	1 UJ	1 R	1 R	1 UJ	1 R	1 R
Trichloroethene	µg/L	5	0.028	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Vinyl chloride	µg/L	2	0.02	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-5 FWGWMP April 2007 VOCs Analytical results

Station ID				WBGmw-007	WBGmw-009	RQLmw-007	RQLmw-008	RQLmw-009
Sample ID		MCL	Region 9 PRG	FWGWBGMW-007C-0439-GW	FWGWBGMW-009C-0440-GW	FWGRQLMW-007C-0441-GW	FWGRQLMW-008C-0442-GW	FWGRQLMW-009C-0443-GW
Date Collected				4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab
Analyte	Units							
1,1,1-Trichloroethane	µg/L	NS	3200	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.43	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	µg/L	7	NS	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene (total)	µg/L	NS	810	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane	µg/L	NS	0.0053	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-Dichloroethane	µg/L	5	0.12	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	µg/L	5	0.16	1 U	1 U	1 U	1 U	1 U
2-Butanone	µg/L	NS	7000	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	5	0.35	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	µg/L	NS	0.13	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
Bromoform	µg/L	NS	8.5	1 R	1 R	1 R	1 R	1 R
Bromomethane	µg/L	NS	8.7	1 U	1 U	1 UJ	1 UJ	1 UJ
Carbon disulfide	µg/L	NS	1000	1 U	1 U	1 U	1 U	1 U
Carbon tetrachloride	µg/L	5	0.17	1 R	1 R	1 R	1 R	1 R
Chlorobenzene	µg/L	NS	110	1 U	1 U	1 U	1 U	1 U
Chloroethane	µg/L	NS	4.6	1 U	1 U	1 U	1 U	1 U
Chloroform	µg/L	NS	0.17	1 U	1 U	1 U	1 U	1 U
Chloromethane	µg/L	NS	160	1 U	1 U	1 U	1 U	1 U
cis-1,2-dichloroethene	µg/L	70	61	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1 R	1 R	1 R	1 R	1 R
Dibromochloromethane	µg/L	NS	0.13	1 R	1 R	1 R	1 R	1 R
Ethylbenzene	µg/L	700	1300	1 U	1 U	1 U	1 U	1 U
m&p-xylenes	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U
Methylene chloride	µg/L	NS	1300	**0.26 J,B**	2 U	2 U	2 U	2 U
o-xylene	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U
Styrene	µg/L	100	1600	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	µg/L	5	0.1	1 U	1 U	1 U	1 U	1 U
Toluene	µg/L	1000	720	1 U	1 U	1 U	1 U	1 U
Total Xylenes	µg/L	10000	10000	2 U	2 U	2 U	2 U	2 U
trans-1,2-dichloroethene	µg/L	100	120	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1 R	1 R	1 R	1 R	1 R
Trichloroethene	µg/L	5	0.028	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	µg/L	2	0.02	1 U	1 U	1 U	1 U	1 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-5 FWGWMP April 2007 VOCs Analytical Results

Data Qualifiers
Data Qualifiers

Data qualifier flags are used in an effort to describe the quality of each piece of data for each constituent. These flags are letter codes appended to the numerical data. The following data qualifiers are specified in the USACE Louisville Chemistry Guidelines (LCG). For a complete explanation of qualifiers used for each constituent please refer to the Data Verification Summaries in Appendix B.

U- The analyte was analyzed for but not detected. The numerical value preceding the U is the associated reporting limit.

J- The identification of the analyte is acceptable, but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision (i.e., the quantitative value is estimated). Examples include:
- Results detected above the laboratory MDL but less than the laboratory reporting limit.
- MS/MSD percent recoveries outside the acceptance criteria.
- Laboratory control sample (LCS) percent recoveries outside acceptance criteria.

R- Data are considered to be rejected and shall not be used. This flag denotes the failure of quality control criteria such that it cannot be determined if the analyte is present or absent from the sample [e.g., the method reporting limit (MRL) is below the laboratory control guidelines (LCG); associated sample results that were non-detect are unusable].

UJ- This flag is a combination of the U and J qualifiers which indicate that the analyte is not present. The reported value is considered to be an estimated reporting limit (RL).

B- The B flag is used for both organic and inorganic analyses when the analyte is found in the method blank or any of the field blanks. This designation overrides the Contract Laboratory Program (CLP) “B” designation when used by the laboratory as an estimated value for inorganics.

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				BKGmw-004	BKGmw-005	BKGmw-006	BKGmw-008	BKGmw-010	BKGmw-012	BKGmw-013	BKGmw-015
Sample ID		MCL	Region 9 PRG	FWGBKGMW-004C-0405-GW	FWGBKGMW-005C-0406-GW	FWGBKGMW-006C-0407-GW	FWGBKGMW-008C-0408-GW	FWGBKGMW-010C-0409-GW	FWGBKGMW-012C-0410-GW	FWGBKGMW-013C-0411-GW	FWGBKGMW-015C-0412-GW
Date Collected				4/19/2007	4/18/2007	4/18/2007	4/19/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichlorobenzene	µg/L	NS	370	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichlorobenzene	µg/L	NS	180	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
2,4-Dichlorophenol	µg/L	NS	110	2 U	2 U	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U
2,4-Dimethylphenol	µg/L	NS	730	2 U	2 U	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U
2,4-Dinitrophenol	µg/L	NS	73	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
2,4-Dinitrotoluene	µg/L	NS	73	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U
2,6-Dinitrotoluene	µg/L	NS	36	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U
2-Chloronaphthalene	µg/L	NS	490	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
2-Chlorophenol	µg/L	NS	30	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U
2-Methylnaphthalene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
2-Methylphenol	µg/L	NS	1800	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U
2-Nitroaniline	µg/L	NS	110	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
2-Nitrophenol	µg/L	NS	NS	2 U	2 U	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ	5 U
3-Nitroaniline	µg/L	NS	3.2	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2 U	2 U	2 UJ	2 U	2 U	2 UJ	2 UJ	2 U
4-Chloroaniline	µg/L	NS	150	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
4-Methylphenol	µg/L	NS	NS	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U
4-Nitroanaline	µg/L	NS	3.2	2 U	2 U	2 UJ	2 U	2 U	2 U	2 UJ	2 U
4-Nitrophenol	µg/L	NS	NS	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
Acenaphthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Acenaphthylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Anthracene	µg/L	NS	1800	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(a)anthracene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(k)fluoranthene	µg/L	NS	0.92	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				BKGmw-004	BKGmw-005	BKGmw-006	BKGmw-008	BKGmw-010	BKGmw-012	BKGmw-013	BKGmw-015
Sample ID		MCL	Region 9 PRG	FWGBKGMW-004C-0405-GW	FWGBKGMW-005C-0406-GW	FWGBKGMW-006C-0407-GW	FWGBKGMW-008C-0408-GW	FWGBKGMW-010C-0409-GW	FWGBKGMW-012C-0410-GW	FWGBKGMW-013C-0411-GW	FWGBKGMW-015C-0412-GW
Date Collected				4/19/2007	4/18/2007	4/18/2007	4/19/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Benzoic acid	µg/L	NS	150000	**9.5 J**	10 U	10 UJ	10 U	10 U	10 UJ	10 UJ	10 U
Benzyl alcohol	µg/L	NS	NS	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	10 U	10 UJ	10 U	**24**	10 U	10 UJ	**1.9 J**
Butyl benzyl phthalate	µg/L	NS	7300	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Carbazole	µg/L	NS	3.4	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Chrysene	µg/L	NS	9.2	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Dibenzofuran	µg/L	NS	12	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Diethyl phthalate	µg/L	NS	NS	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Dimethyl phthalate	µg/L	NS	360000	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Di-n-butyl phthalate	µg/L	NS	NS	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Di-n-octyl phthalate	µg/L	NS	1500	**1.2 J**	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Fluoranthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Fluorene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Hexachlorobenzene	µg/L	1	0.042	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Hexachlorobutadiene	µg/L	NS	0.86	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	µg/L	50	220	10 R	10 U	10 UJ	10 R	10 R	10 U	10 UJ	10 R
Hexachloroethane	µg/L	NS	4.8	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Isophorone	µg/L	NS	71	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Naphthalene	µg/L	NS	6.2	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Nitrobenzene	µg/L	NS	3.4	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine	µg/L	NS	14	1 U	1 U	1 UJ	1 U	1 U	1 U	1 UJ	1 U
Pentachlorophenol	µg/L	1	0.56	5 U	5 U	5 UJ	5 U	5 U	5 UJ	5 UJ	5 U
Phenanthrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Phenol	µg/L	NS	11000	1 U	1 U	1 UJ	1 U	1 U	1 UJ	1 UJ	1 U
Pyrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				BKGmw-016	BKGmw-017	BKGmw-018	BKGmw-019	BKGmw-020	BKGmw-021	CBPmw-006	CBPmw-007
Sample ID		MCL	Region 9 PRG	FWGBKGMW-016C-0413-GW	FWGBKGMW-017C-0414-GW	FWGBKGMW-018C-0415-GW	FWGBKGMW-019C-0416-GW	FWGBKGMW-020C-0417-GW	FWGBKGMW-021C-0418-GW	FWGCBPMW-006C-0435-GW	FWGCBPMW-007C-0436-GW
Date Collected				4/18/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007	4/17/2007	4/17/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,2-Dichlorobenzene	µg/L	NS	370	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,3-Dichlorobenzene	µg/L	NS	180	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1 U	1 U	1 U	5 U	1 U	1 U	1 UJ	1 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
2,4,6-Trichlorophenol	µg/L	NS	3.6	5 U	5 U	5 U	2 UJ	5 UJ	5 U	5 UJ	5 UJ
2,4-Dichlorophenol	µg/L	NS	110	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 UJ	2 UJ
2,4-Dimethylphenol	µg/L	NS	730	2 U	2 U	2 U	5 UJ	2 UJ	2 U	2 UJ	2 UJ
2,4-Dinitrophenol	µg/L	NS	73	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 UJ	5 UJ
2,4-Dinitrotoluene	µg/L	NS	73	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ	5 U
2,6-Dinitrotoluene	µg/L	NS	36	5 U	5 U	5 U	1 U	5 U	5 U	5 UJ	5 U
2-Chloronaphthalene	µg/L	NS	490	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
2-Chlorophenol	µg/L	NS	30	1 U	1 U	1 U	0.2 UJ	1 UJ	1 U	1 UJ	1 UJ
2-Methylnaphthalene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 UJ	0.2 U
2-Methylphenol	µg/L	NS	1800	1 U	1 U	1 U	2 UJ	1 UJ	1 U	1 UJ	1 UJ
2-Nitroaniline	µg/L	NS	110	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
2-Nitrophenol	µg/L	NS	NS	2 U	2 U	2 U	5 UJ	2 UJ	2 U	2 UJ	2 UJ
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5 U	5 U	5 U	2 U	5 U	5 U	5 UJ	5 U
3-Nitroaniline	µg/L	NS	3.2	2 U	2 U	2 U	5 U	2 U	2 U	2 UJ	2 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5 U	5 U	5 U	2 UJ	5 UJ	5 U	5 UJ	5 UJ
4-Bromophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 UJ	2 UJ
4-Chloroaniline	µg/L	NS	150	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ	2 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	1 U	2 U	2 U	2 UJ	2 U
4-Methylphenol	µg/L	NS	NS	1 U	1 U	1 U	2 UJ	1 UJ	1 U	1 UJ	1 UJ
4-Nitroanaline	µg/L	NS	3.2	2 U	2 U	2 U	5 U	2 U	2 U	2 UJ	2 U
4-Nitrophenol	µg/L	NS	NS	5 U	5 U	5 U	0.2 UJ	5 UJ	5 U	5 UJ	5 UJ
Acenaphthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Acenaphthylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Anthracene	µg/L	NS	1800	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(a)anthracene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Benzo(k)fluoranthene	µg/L	NS	0.92	0.2 U	0.2 U	0.2 U	10 U	0.2 U	0.2 U	0.2 UJ	0.2 U

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				BKGmw-016	BKGmw-017	BKGmw-018	BKGmw-019	BKGmw-020	BKGmw-021	CBPmw-006	CBPmw-007
Sample ID		MCL	Region 9 PRG	FWGBKGMW-016C-0413-GW	FWGBKGMW-017C-0414-GW	FWGBKGMW-018C-0415-GW	FWGBKGMW-019C-0416-GW	FWGBKGMW-020C-0417-GW	FWGBKGMW-021C-0418-GW	FWGCBPMW-006C-0435-GW	FWGCBPMW-007C-0436-GW
Date Collected				4/18/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007	4/17/2007	4/17/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Benzoic acid	µg/L	NS	150000	10 U	**8.9 J**	10 U	5 UJ	10 UJ	**8.9 J**	10 UJ	10 UJ
Benzyl alcohol	µg/L	NS	NS	5 U	5 U	5 U	1 UJ	5 UJ	5 U	5 UJ	5 UJ
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1 U	1 U	1 U	10 U	1 U	1 U	1 UJ	1 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	10 U	10 U	1 U	10 U	1.1 J	10 UJ	10 U
Butyl benzyl phthalate	µg/L	NS	7300	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Carbazole	µg/L	NS	3.4	1 U	1 U	1 U	0.2 U	1 U	1 U	1 UJ	1 U
Chrysene	µg/L	NS	9.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Dibenzofuran	µg/L	NS	12	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Diethyl phthalate	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Dimethyl phthalate	µg/L	NS	360000	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Di-n-butyl phthalate	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
Di-n-octyl phthalate	µg/L	NS	1500	1 U	1 U	1 U	0.2 U	1 U	1 U	1 UJ	1 U
Fluoranthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Fluorene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Hexachlorobenzene	µg/L	1	0.042	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Hexachlorobutadiene	µg/L	NS	0.86	1 U	1 U	1 U	10 U	1 U	1 U	1 UJ	1 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 R	10 U	1 U	10 U	10 R	10 UJ	10 R
Hexachloroethane	µg/L	NS	4.8	1 U	1 U	1 U	0.2 U	1 U	1 U	1 UJ	1 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Isophorone	µg/L	NS	71	1 U	1 U	1 U	0.2 U	1 U	1 U	1 UJ	1 U
Naphthalene	µg/L	NS	6.2	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Nitrobenzene	µg/L	NS	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ	1 U
N-Nitrosodiphenylamine	µg/L	NS	14	1 U	1 U	1 U	5 U	1 U	1 U	1 UJ	1 U
Pentachlorophenol	µg/L	1	0.56	5 U	5 U	5 U	0.2 UJ	5 UJ	5 U	5 UJ	5 U
Phenanthrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	1 U	0.2 U	0.2 U	0.2 UJ	0.2 U
Phenol	µg/L	NS	11000	1 U	1 U	1 U	0.2 UJ	1 UJ	1 U	1 UJ	1 U
Pyrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				DA2mw-107	DA2mw-3	DA2mw-4	LL11mw-002	LL11mw-007	LL12mw-153	LL12mw-182	LL12mw-183
Sample ID		MCL	Region 9 PRG	DET1bR-0437-GW	FWGDETMW-3bR-0444-GW	FWGDETMW-4bR-0445-GW	FWGLL11MW-002C-0429-GW	FWGLL11MW-007C-0430-GW	FWGLL12MW-153C-0431-GW	FWGLL12MW-182C-0432-GW	FWGLL12MW-183C-0433-GW
Date Collected				4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/19/2007	4/19/2007	4/19/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	NS	370	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	NS	180	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
2,4-Dichlorophenol	µg/L	NS	110	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
2,4-Dimethylphenol	µg/L	NS	730	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
2,4-Dinitrophenol	µg/L	NS	73	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
2,4-Dinitrotoluene	µg/L	NS	73	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	NS	36	5 U	4.6 J	5 U	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	µg/L	NS	490	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Chlorophenol	µg/L	NS	30	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
2-Methylnaphthalene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Methylphenol	µg/L	NS	1800	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
2-Nitroaniline	µg/L	NS	110	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Nitrophenol	µg/L	NS	NS	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
3-Nitroaniline	µg/L	NS	3.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2 UJ	2 UJ	2 UJ	2 U	2 UJ	2 U	2 UJ	2 U
4-Chloroaniline	µg/L	NS	150	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Methylphenol	µg/L	NS	NS	1 UJ	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
4-Nitroanaline	µg/L	NS	3.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	NS	NS	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
Acenaphthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acenaphthylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Anthracene	µg/L	NS	1800	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)anthracene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L	NS	0.92	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				DA2mw-107	DA2mw-3	DA2mw-4	LL11mw-002	LL11mw-007	LL12mw-153	LL12mw-182	LL12mw-183
Sample ID		MCL	Region 9 PRG	DET1bR-0437-GW	FWGDETMW-3bR-0444-GW	FWGDETMW-4bR-0445-GW	FWGLL11MW-002C-0429-GW	FWGLL11MW-007C-0430-GW	FWGLL12MW-153C-0431-GW	FWGLL12MW-182C-0432-GW	FWGLL12MW-183C-0433-GW
Date Collected				4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/19/2007	4/19/2007	4/19/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Benzoic acid	µg/L	NS	150000	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 U	**8.3 J**	10 U
Benzyl alcohol	µg/L	NS	NS	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	10 U	**1.9 J**	10 U	**0.9 J**	**3 J**	**1.4 J**	**1.9 J**
Butyl benzyl phthalate	µg/L	NS	7300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbazole	µg/L	NS	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chrysene	µg/L	NS	9.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	µg/L	NS	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Diethyl phthalate	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dimethyl phthalate	µg/L	NS	360000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	NS	1500	1 U	**1.1**	1 U	1 U	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Fluorene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobenzene	µg/L	1	0.042	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	µg/L	NS	0.86	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	µg/L	50	220	10 R	10 R	10 R	10 R	10 R	10 R	10 R	10 R
Hexachloroethane	µg/L	NS	4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isophorone	µg/L	NS	71	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Naphthalene	µg/L	NS	6.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nitrobenzene	µg/L	NS	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	NS	14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	1	0.56	5 U	5 UJ	5 UJ	5 U	5 UJ	5 U	5 UJ	5 U
Phenanthrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Phenol	µg/L	NS	11000	1 U	1 UJ	1 UJ	1 U	1 UJ	1 U	1 UJ	1 U
Pyrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				LL12mw-186	LL1mw-078	LL1mw-080	LL1mw-083	LL2mw-059	LL2mw-262	LL2mw-263	LL3mw-238
Sample ID		MCL	Region 9 PRG	FWGLL12MW-186C-0434-GW	FWGLL1mw-078C-0419-GW	FWGLL1mw-080C-0420-GW	FWGLL1mw-083C-0421-GW	FWGLL2mw-059c-0422-GW	FWGLL2mw-262C-0423-GW	FWGLL2mw-263C-0424-GW	FWGLL3mw-238C-0425-GW
Date Collected				4/19/2007	4/16/2007	4/16/2007	4/16/2007	4/17/2007	4/17/2007	4/17/2007	4/16/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,2-Dichlorobenzene	µg/L	NS	370	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,3-Dichlorobenzene	µg/L	NS	180	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
1,4-Dichlorobenzene	µg/L	NS	0.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
2,4,5-Trichlorophenol	µg/L	NS	3600	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
2,4,6-Trichlorophenol	µg/L	NS	3.6	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
2,4-Dichlorophenol	µg/L	NS	110	2 U	2 U	2 U	2 UJ	2 U	2 UJ	2 UJ	2 UJ
2,4-Dimethylphenol	µg/L	NS	730	2 U	2 U	2 U	2 UJ	2 U	2 UJ	2 UJ	2 UJ
2,4-Dinitrophenol	µg/L	NS	73	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
2,4-Dinitrotoluene	µg/L	NS	73	5 U	5 U	5 U	2.3 J	5 U	5 U	5 U	5 UJ
2,6-Dinitrotoluene	µg/L	NS	36	5 U	5 U	5 U	1.6 J	5 U	5 U	5 U	5 UJ
2-Chloronaphthalene	µg/L	NS	490	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
2-Chlorophenol	µg/L	NS	30	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
2-Methylnaphthalene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
2-Methylphenol	µg/L	NS	1800	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
2-Nitroaniline	µg/L	NS	110	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
2-Nitrophenol	µg/L	NS	NS	2 U	2 U	2 U	2 UJ	2 U	2 UJ	2 UJ	2 UJ
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 UJ
3-Nitroaniline	µg/L	NS	3.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
4-Bromophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
4-Chloro-3-methylphenol	µg/L	NS	NS	2 U	2 U	2 U	2 UJ	2 U	2 UJ	2 UJ	2 UJ
4-Chloroaniline	µg/L	NS	150	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
4-Methylphenol	µg/L	NS	NS	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
4-Nitroanaline	µg/L	NS	3.2	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 UJ
4-Nitrophenol	µg/L	NS	NS	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Acenaphthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Acenaphthylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Anthracene	µg/L	NS	1800	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Benzo(a)anthracene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Benzo(a)pyrene	µg/L	0.2	0.0092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Benzo(b)fluoranthene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Benzo(g,h,i)perylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Benzo(k)fluoranthene	µg/L	NS	0.92	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				LL12mw-186	LL1mw-078	LL1mw-080	LL1mw-083	LL2mw-059	LL2mw-262	LL2mw-263	LL3mw-238
Sample ID		MCL	Region 9 PRG	FWGLL12MW-186C-0434-GW	FWGLL1mw-078C-0419-GW	FWGLL1mw-080C-0420-GW	FWGLL1mw-083C-0421-GW	FWGLL2mw-059c-0422-GW	FWGLL2mw-262C-0423-GW	FWGLL2mw-263C-0424-GW	FWGLL3mw-238C-0425-GW
Date Collected				4/19/2007	4/16/2007	4/16/2007	4/16/2007	4/17/2007	4/17/2007	4/17/2007	4/16/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Benzoic acid	µg/L	NS	150000	**8.5 J**	10 U	10 U	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Benzyl alcohol	µg/L	NS	NS	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**2 J**	**2.4 J**	**5 J**	10 U	10 U	10 U	10 U	**4 J**
Butyl benzyl phthalate	µg/L	NS	7300	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Carbazole	µg/L	NS	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Chrysene	µg/L	NS	9.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Dibenzofuran	µg/L	NS	12	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Diethyl phthalate	µg/L	NS	NS	1 U	**0.81 J,B**	**0.83 J,B**	1 U	1 U	1 U	1 U	**0.8 J,B**
Dimethyl phthalate	µg/L	NS	360000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Di-n-butyl phthalate	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Di-n-octyl phthalate	µg/L	NS	1500	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Fluoranthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Fluorene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Hexachlorobenzene	µg/L	1	0.042	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Hexachlorobutadiene	µg/L	NS	0.86	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Hexachlorocyclopentadiene	µg/L	50	220	10 R	10 R	10 R	10 R	10 U	10 R	10 R	10 R
Hexachloroethane	µg/L	NS	4.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Isophorone	µg/L	NS	71	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Naphthalene	µg/L	NS	6.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Nitrobenzene	µg/L	NS	3.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
N-Nitrosodiphenylamine	µg/L	NS	14	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 UJ
Pentachlorophenol	µg/L	1	0.56	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 UJ
Phenanthrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ
Phenol	µg/L	NS	11000	1 U	1 U	1 U	1 UJ	1 U	1 UJ	1 UJ	1 UJ
Pyrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				LL3mw-242	LL4mw-198	LL4mw-199	WBGmw-006	WBGmw-007	WBGmw-009	RQLmw-007	RQLmw-008	RQLmw-009
Sample ID		MCL	Region 9 PRG	*FWGLL3MW-242C-0426-GW	FWGLL4MW-198C-0427-GW	FWGLL4MW-199C-0428-GW	FWGWBGMW-006C-0438-GW	FWGWBGMW-007C-0439-GW	FWGWBGMW-009C-0440-GW	FWGRQLMW-007C-0441-GW	FWGRQLMW-008C-0442-GW	FWGRQLMW-009C-0443-GW
Date Collected				4/17/2007	4/17/2007	4/16/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	µg/L	NS	370	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	µg/L	NS	180	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
2,4-Dichlorophenol	µg/L	NS	110	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 U	2 U	2 U
2,4-Dimethylphenol	µg/L	NS	730	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 U	2 U	2 U
2,4-Dinitrophenol	µg/L	NS	73	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
2,4-Dinitrotoluene	µg/L	NS	73	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
2,6-Dinitrotoluene	µg/L	NS	36	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U
2-Chloronaphthalene	µg/L	NS	490	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U	1 U
2-Chlorophenol	µg/L	NS	30	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
2-Methylnaphthalene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
2-Methylphenol	µg/L	NS	1800	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
2-Nitroaniline	µg/L	NS	110	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
2-Nitrophenol	µg/L	NS	NS	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 U	2 U	2 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5 U	5 U	5 U	5 U	5 UJ	5 U	5 U	5 U	5 U
3-Nitroaniline	µg/L	NS	3.2	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2 U	2 U	2 U	2 UJ	2 UJ	2 U	2 U	2 U	2 U
4-Chloroaniline	µg/L	NS	150	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
4-Methylphenol	µg/L	NS	NS	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
4-Nitroanaline	µg/L	NS	3.2	2 U	2 U	2 U	2 U	2 UJ	2 U	2 U	2 U	2 U
4-Nitrophenol	µg/L	NS	NS	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
Acenaphthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Acenaphthylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Anthracene	µg/L	NS	1800	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)anthracene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Benzo(k)fluoranthene	µg/L	NS	0.92	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Station ID				LL3mw-242	LL4mw-198	LL4mw-199	WBGmw-006	WBGmw-007	WBGmw-009	RQLmw-007	RQLmw-008	RQLmw-009
Sample ID		MCL	Region 9 PRG	*FWGLL3MW-242C-0426-GW	FWGLL4MW-198C-0427-GW	FWGLL4MW-199C-0428-GW	FWGWBGMW-006C-0438-GW	FWGWBGMW-007C-0439-GW	FWGWBGMW-009C-0440-GW	FWGRQLMW-007C-0441-GW	FWGRQLMW-008C-0442-GW	FWGRQLMW-009C-0443-GW
Date Collected				4/17/2007	4/17/2007	4/16/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 UJ	**8.2 J**	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	10 U	10 U	10 U	10 UJ	10 U	**2.3 J**	**1.9 J**	**1.6 J**
Butyl benzyl phthalate	µg/L	NS	7300	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Carbazole	µg/L	NS	3.4	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Chrysene	µg/L	NS	9.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Dibenzofuran	µg/L	NS	12	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Diethyl phthalate	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 UJ	1 U	0.86 **J,B**	**0.83 J,B**	**0.81 J,B**
Dimethyl phthalate	µg/L	NS	360000	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Di-n-butyl phthalate	µg/L	NS	NS	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Di-n-octyl phthalate	µg/L	NS	1500	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Fluoranthene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Fluorene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	**0.66**	0.2 U
Hexachlorobenzene	µg/L	1	0.042	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Hexachlorobutadiene	µg/L	NS	0.86	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	µg/L	50	220	10 R	10 U	10 R	10 U	10 UJ	10 U	10 R	10 R	10 R
Hexachloroethane	µg/L	NS	4.8	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Isophorone	µg/L	NS	71	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Naphthalene	µg/L	NS	6.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Nitrobenzene	µg/L	NS	3.4	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	µg/L	NS	14	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U	1 U	1 U
Pentachlorophenol	µg/L	1	0.56	5 U	5 U	5 U	5 UJ	5 UJ	5 U	5 U	5 U	5 U
Phenanthrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U
Phenol	µg/L	NS	11000	1 U	1 U	1 U	1 UJ	1 UJ	1 U	1 U	1 U	1 U
Pyrene	µg/L	NS	NS	0.2 U	0.2 U	0.2 U	0.2 U	0.2 UJ	0.2 U	0.2 U	0.2 U	0.2 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-6 FWGWMP April 2007 SVOCs Analytical Results

Data Qualifiers

Data qualifier flags are used in an effort to describe the quality of each piece of data for each constituent. These flags are letter codes appended to the numerical data. The following data qualifiers are specified in the USACE Louisville Chemistry Guidelines (LCG). For a complete explanation of qualifiers used for each constituent please refer to the Data Verification Summaries in Appendix B.

U- The analyte was analyzed for but not detected. The numerical value preceding the U is the associated reporting limit.

J- The identification of the analyte is acceptable, but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision (i.e., the quantitative value is estimated). Examples include:
- Results detected above the laboratory MDL but less than the laboratory reporting limit.
- MS/MSD percent recoveries outside the acceptance criteria.
- Laboratory control sample (LCS) percent recoveries outside acceptance criteria.

R- Data are considered to be rejected and shall not be used. This flag denotes the failure of quality control criteria such that it cannot be determined if the analyte is present or absent from the sample [e.g., the method reporting limit (MRL) is below the laboratory control guidelines (LCG); associated sample results that were non-detect are unusable].

UJ- This flag is a combination of the U and J qualifiers which indicate that the analyte is not present. The reported value is considered to be an estimated reporting limit (RL).

B- The B flag is used for both organic and inorganic analyses when the analyte is found in the method blank or any of the field blanks. This designation overrides the Contract Laboratory Program (CLP) “B” designation when used by the laboratory as an estimated value for inorganics.

Table 3-7 FWGWMP April 2007 Pesticides and PCBs Analytical Results

Station ID				BKGmw-004	BKGmw-005	BKGmw-006	BKGmw-008	BKGmw-010	BKGmw-012	BKGmw-013	BKGmw-015
Sample ID		MCL	Region 9 PRG	FWGBKGMW-004C-0405-GW	FWGBKGMW-005C-0406-GW	FWGBKGMW-006C-0407-GW	FWGBKGMW-008C-0408-GW	FWGBKGMW-010C-0409-GW	FWGBKGMW-012C-0410-GW	FWGBKGMW-013C-0411-GW	FWGBKGMW-015C-0412-GW
Date Collected				4/19/2007	4/18/2007	4/18/2007	4/19/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
4,4'-DDE	µg/L	NS	0.2	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
4,4'-DDT	µg/L	NS	0.2	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Aldrin	µg/L	NS	0.003	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
alpha-BHC	µg/L	NS	0.011	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
alpha-Chordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
beta-BHC	µg/L	NS	0.032	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
delta-BHC	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Dieldrin	µg/L	NS	0.0023	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U
Endosulfan sulfate	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Endrin	µg/L	2	11	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Endrin aldehyde	µg/L	NS	11	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Endrin ketone	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Gamma-BHC	µg/L	0.2	0.052	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
gamma-Chlordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Heptachlor	µg/L	0.4	0.015	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U	0.03 U
Methoxychlor	µg/L	40	180	0.1 U	0.1 UJ	0.1 UJ	**0.012 J**	**0.028 J**	0.1 UJ	0.1 U	**0.061 J**
Toxaphene	µg/L	3	0.061	2 U	2 UJ	2 UJ	2 U	2 U	2 UJ	2 U	2 U
PCB- 1016	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
PCB- 1221	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
PCB- 1232	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
PCB- 1242	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
PCB- 1248	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
PCB- 1254	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U
PCB- 1260	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP April 2007 Pesticides and PCBs Analytical Results

Station ID				BKGmw-016	BKGmw-017	BKGmw-018	BKGmw-019	BKGmw-020	BKGmw-021	CBPmw-006	CBPmw-007
Sample ID		MCL	Region 9 PRG	FWGBKGMW-016C-0413-GW	FWGBKGMW-017C-0414-GW	FWGBKGMW-018C-0415-GW	FWGBKGMW-019C-0416-GW	FWGBKGMW-020C-0417-GW	FWGBKGMW-021C-0418-GW	FWGCBPMW-006C-0435-GW	FWGCBPMW-007C-0436-GW
Date Collected				4/18/2007	4/19/2007	4/18/2007	4/18/2007	4/18/2007	4/19/2007	4/17/2007	4/17/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
4,4'-DDE	µg/L	NS	0.2	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
4,4'-DDT	µg/L	NS	0.2	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Aldrin	µg/L	NS	0.003	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
alpha-BHC	µg/L	NS	0.011	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
alpha-Chordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
beta-BHC	µg/L	NS	0.032	0.03 U	0.03 UJ	0.03 U	0.03 UJ	**0.0081 J**	0.03 U	0.03 UJ	0.03 U
delta-BHC	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Dieldrin	µg/L	NS	0.0023	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Endrin	µg/L	2	11	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Endrin aldehyde	µg/L	NS	11	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Endrin ketone	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Gamma-BHC	µg/L	0.2	0.052	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
gamma-Chlordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Heptachlor	µg/L	0.4	0.015	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.03 U	0.03 UJ	0.03 U	0.03 UJ	0.03 U	0.03 U	0.03 UJ	0.03 U
Methoxychlor	µg/L	40	180	0.1 U	0.1 UJ	**0.016 J**	0.1 UJ	0.1 U	0.1 U	**0.028 J**	0.1 U
Toxaphene	µg/L	3	0.061	2 U	2 UJ	2 U	2 UJ	2 U	2 U	2 UJ	2 U
PCB- 1016	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
PCB- 1221	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
PCB- 1232	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
PCB- 1242	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
PCB- 1248	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
PCB- 1254	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
PCB- 1260	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP April 2007 Pesticides and PCBs Analytical Results

Station ID				DA2mw-107	DA2mw-3	DA2mw-4	LL11mw-002	LL11mw-007	LL12mw-153	LL12mw-182	LL12mw-183
Sample ID		MCL	Region 9 PRG	FWGDA2MW-DET1bR-0437-GW	FWGDETMW-3bR-0444-GW	FWGDETMW-4bR-0445-GW	FWGLL11MW-002C-0429-GW	FWGLL11MW-007C-0430-GW	FWGLL12MW-153C-0431-GW	FWGLL12MW-182C-0432-GW	FWGLL12MW-183C-0433-GW
Date Collected				4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/17/2007	4/19/2007	4/19/2007	4/19/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
4,4'-DDE	µg/L	NS	0.2	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
4,4'-DDT	µg/L	NS	0.2	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Aldrin	µg/L	NS	0.003	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
alpha-BHC	µg/L	NS	0.011	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
alpha-Chordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
beta-BHC	µg/L	NS	0.032	0.03 U	0.03 UJ	0.03 UJ	**0.21 B**	0.03 U	0.03 U	0.03 UJ	0.03 U
delta-BHC	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Dieldrin	µg/L	NS	0.0023	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 U
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 U
Endosulfan sulfate	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Endrin	µg/L	2	11	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Endrin aldehyde	µg/L	NS	11	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Endrin ketone	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Gamma-BHC	µg/L	0.2	0.052	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
gamma-Chlordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Heptachlor	µg/L	0.4	0.015	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.03 U	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 UJ	0.03 U
Methoxychlor	µg/L	40	180	0.1 U	0.1 UJ	0.1 UJ	**0.031 J**	**0.038 J**	**0.031 J**	0.1 UJ	**0.012 J**
Toxaphene	µg/L	3	0.061	2 U	2 UJ	2 UJ	2 U	2 U	2 U	2 UJ	2 U
PCB- 1016	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
PCB- 1221	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
PCB- 1232	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
PCB- 1242	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
PCB- 1248	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
PCB- 1254	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U
PCB- 1260	µg/L	0.5	0.034	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 UJ	0.5 U

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP April 2007 Pesticides and PCBs Analytical Results

Station ID				LL12mw-186	LL1mw-078	LL1mw-080	LL1mw-083	LL2mw-059	LL2mw-262	LL2mw-263	LL3mw-238
Sample ID		MCL	Region 9 PRG	FWGLL12MW-186C-0434-GW	FWGLL1mw-078C-0419-GW	FWGLL1mw-080C-0420-GW	FWGLL1mw-083C-0421-GW	FWGLL2mw-059c-0422-GW	FWGLL2mw-262C-0423-GW	FWGLL2mw-263C-0424-GW	FWGLL3mw-238C-0425-GW
Date Collected				4/19/2007	4/16/2007	4/16/2007	4/16/2007	4/17/2007	4/17/2007	4/17/2007	4/16/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
4,4'-DDE	µg/L	NS	0.2	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
4,4'-DDT	µg/L	NS	0.2	0.03 U	0.03 UJ	0.3 U	**0.024 J**	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Aldrin	µg/L	NS	0.003	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
alpha-BHC	µg/L	NS	0.011	0.03 U	0.03 UJ	0.3 U	**0.011 J**	0.03 U	0.03 UJ	0.03 UJ	1.5 R
alpha-Chordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.3 U	0.03 U	**0.027 J**	0.03 UJ	0.03 UJ	1.5 R
beta-BHC	µg/L	NS	0.032	0.03 U	0.03 UJ	0.3 U	**0.17 J**	**0.0094 J**	0.03 UJ	0.03 UJ	1.5 R
delta-BHC	µg/L	NS	NS	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Dieldrin	µg/L	NS	0.0023	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 UJ	0.25 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	1.2 R
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 UJ	0.25 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	1.2 R
Endosulfan sulfate	µg/L	NS	NS	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Endrin	µg/L	2	11	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Endrin aldehyde	µg/L	NS	11	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Endrin ketone	µg/L	NS	NS	0.03 U	0.03 UJ	0.3 U	**0.044 J**	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Gamma-BHC	µg/L	0.2	0.052	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
gamma-Chlordane	µg/L	NS	NS	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Heptachlor	µg/L	0.4	0.015	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Heptachlor epoxide	µg/L	0.2	0.0074	0.03 U	0.03 UJ	0.3 U	0.03 U	0.03 U	0.03 UJ	0.03 UJ	1.5 R
Methoxychlor	µg/L	40	180	**0.09 J**	0.1 UJ	1 U	**0.028 J**	**0.025 J**	0.1 UJ	0.1 UJ	5 R
Toxaphene	µg/L	3	0.061	2 U	2 UJ	20 U	2 U	2 U	2 UJ	2 UJ	100 R
PCB- 1016	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
PCB- 1221	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
PCB- 1232	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
PCB- 1242	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
PCB- 1248	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
PCB- 1254	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ
PCB- 1260	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ

Notes:

* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP April 2007 Pesticides and PCBs Analytical Results

Station ID				LL3mw-242	LL4mw-198	LL4mw-199	WBGmw-006	WBGmw-007	WBGmw-009	RQLmw-007	RQLmw-008	RQLmw-009
Sample ID		MCL	Region 9 PRG	*FWGLL3MW-242C-0426-GW	FWGLL4MW-198C-0427-GW	FWGLL4MW-199C-0428-GW	FWGWBGMW-006C-0438-GW	FWGWBGMW-007C-0439-GW	FWGWBGMW-009C-0440-GW	FWGRQLMW-007C-0441-GW	FWGRQLMW-008C-0442-GW	FWGRQLMW-009C-0443-GW
Date Collected				4/17/2007	4/17/2007	4/16/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007	4/18/2007
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units											
4,4'-DDD	µg/L	NS	0.28	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
4,4'-DDE	µg/L	NS	0.2	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
4,4'-DDT	µg/L	NS	0.2	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Aldrin	µg/L	NS	0.003	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
alpha-BHC	µg/L	NS	0.011	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
alpha-Chordane	µg/L	NS	NS	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
beta-BHC	µg/L	NS	0.032	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	**0.0087 J**	0.06 UJ	0.15 UJ	0.0083 UJ
delta-BHC	µg/L	NS	NS	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Dieldrin	µg/L	NS	0.0023	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.05 UJ	0.12 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 U	0.025 U	0.05 UJ	0.12 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Endrin	µg/L	2	11	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Endrin aldehyde	µg/L	NS	11	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Endrin ketone	µg/L	NS	NS	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Gamma-BHC	µg/L	0.2	0.052	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
gamma-Chlordane	µg/L	NS	NS	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Heptachlor	µg/L	0.4	0.015	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.03 UJ	0.03 UJ	0.03 U	0.03 U	0.03 U	0.03 U	0.06 UJ	0.15 UJ	0.03 UJ
Methoxychlor	µg/L	40	180	**0.021 J**	**0.038 J**	0.1 U	0.1 U	0.1 U	0.1 U	0.2 UJ	0.5 UJ	0.1 UJ
Toxaphene	µg/L	3	0.061	2 UJ	2 UJ	2 U	2 U	2 U	2 U	4 UJ	10 UJ	2 UJ
PCB- 1016	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
PCB- 1221	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
PCB- 1232	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
PCB- 1242	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
PCB- 1248	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
PCB- 1254	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ
PCB- 1260	µg/L	0.5	0.034	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 UJ

Notes:
* FWGLL3MW-242C-0426-GW was labeled and identified to the lab as FWGLL3MW-240C-0426-GW

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP April 2007 Pesticide and PCBs Analytical Results

Data Qualifiers

Data qualifier flags are used in an effort to describe the quality of each piece of data for each constituent. These flags are letter codes appended to the numerical data. The following data qualifiers are specified in the USACE Louisville Chemistry Guidelines (LCG). For a complete explanation of qualifiers used for each constituent please refer to the Data Verification Summaries in Appendix B.

U- The analyte was analyzed for but not detected. The numerical value preceding the U is the associated reporting limit.

J- The identification of the analyte is acceptable, but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision (i.e., the quantitative value is estimated). Examples include:
- Results detected above the laboratory MDL but less than the laboratory reporting limit.
- MS/MSD percent recoveries outside the acceptance criteria.
- Laboratory control sample (LCS) percent recoveries outside acceptance criteria.

R- Data are considered to be rejected and shall not be used. This flag denotes the failure of quality control criteria such that it cannot be determined if the analyte is present or absent from the sample [e.g., the method reporting limit (MRL) is below the laboratory control guidelines (LCG); associated sample results that were non-detect are unusable].

UJ- This flag is a combination of the U and J qualifiers which indicate that the analyte is not present. The reported value is considered to be an estimated reporting limit (RL).

B- The B flag is used for both organic and inorganic analyses when the analyte is found in the method blank or any of the field blanks. This designation overrides the Contract Laboratory Program (CLP) “B” designation when used by the laboratory as an estimated value for inorganics.

3.3 Data Verification/Validation

As discussed in Sections 2.3 and 3.2, all chemical data was analyzed by STL and GPL. A three step process is then conducted which involves the lab, the ADR data program, and a data validator performing the data verification and validation of the data. The First Step is where each lab analyzes the data and assigns a qualifier as necessary in full accordance with USEPA and Louisville Chemistry (LCG) guidelines.

The data verification and validation process is continued with Step Two; when the data validator verifies all data received from STL, and validates greater than 10% of the data by running the lab data through the ADR program. The USACE-supplied ADR program assigned qualifiers to the data as necessary consistent with the programmed criteria of the ADR software. The Third step is when the data validator then uses professional judgment to check the validity of the qualified data and either accepts, rejects, or re-qualifies the ADR results following strict LCG and USEPA guidelines.

After this three-step process has been completed, the resulting final ADR qualifiers may not match the original lab qualifiers which are presented in on the laboratory data sheets. As a result of the data validation process, one or more of four possibilities listed occurs:

1. The lab assigns a B, J, or E to the data, and ADR and/or the data validator changes the qualifier to a J, UJ, U, B, or R.
2. The lab assigns no qualifier to the data, and ADR and/or the data validator assigns a J, UJ, U, B, or R to the data.
3. The lab assigns a B, J, or E to the data, and ADR and/or the data validator assigns no qualifier to the data.
4. The lab may assign a J qualifier or use no qualifier, and ADR and/or the data validator accepts the lab designation.

For the April 2007 Sampling Event Report, the lab data with laboratory derived qualifiers following USEPA and LGC criteria is presented in Appendix B. The verification reports for the data are also presented in Appendix B, which includes the definitions of the ADR qualifiers. The data presented in Tables 3-2, 3-3, 3-5, 3-6, and 3-7 are the result of the data that has been subjected to the Three Step Process of verification and validation. These Tables display the final assigned data qualifier in accordance with ADR and LCG criteria.

Data qualifier flags are used in an effort to describe the quality of each piece of data for each constituent. These flags are letter codes appended to the numerical data. The following data qualifiers are specified in the USACE Louisville Chemistry Guidelines (LCG). For a complete explanation of qualifiers used for each constituent please refer to the Data Verification Summaries in Appendix B.

- U - The analyte was analyzed for but not detected. The numerical value preceding the U is the associated reporting limit.

- J - The identification of the analyte is acceptable, but the quality assurance criteria indicate that the quantitative values may be outside the normal expected range of precision (i.e., the quantitative value is estimated). Examples include:
  - Results detected above the laboratory MDL but less than the laboratory reporting limit.
  - MS/MSD percent recoveries outside the acceptance criteria.
  - Laboratory control sample (LCS) percent recoveries outside acceptance criteria.

- R - Data are considered to be rejected and shall not be used. This flag denotes the failure of quality control criteria such that it cannot be determined if the analyte is present or absent from the sample [e.g., the method reporting limit (MRL) verification standard was below quality control guidelines; associated sample results that were non-detect are unusable].

- UJ - This flag is a combination of the U and J qualifiers which indicate that the analyte is not present. The reported value is considered to be an estimated reporting limit (RL).

- B - The B flag is used for both organic and inorganic analyses when the analyte is found in the method blank or any of the field blanks. This designation overrides the Contract Laboratory Program (CLP) "B" designation when used by the laboratory as an estimated value for inorganics.

Forty-one wells were sampled during a four-day sampling event from April 16, 2007 through April 19, 2007. During this event, fifteen trip blanks were submitted for volatile analysis to STL.

Five field duplicates were collected on four separate days in order to assess the quality and consistency of sample collection. Project requirements of 10% field duplicates were met for this sampling event. In addition, five laboratory splits were collected and analyzed on four separate days of sampling in order to assess the quality and consistency of the laboratory analysis. The project requirements of taking 10% laboratory splits were met for this sampling event.

An equipment rinse blank was collected during each day of the sampling event.

For the April 2007 sampling event the following laboratory contamination was reported for the field QA/QC samples (for a discussion of method blank contamination please reference the Data Verification Reports and the Laboratory Case Narrative).

April 16, 2007

FWGEQUIPRinse1-0456-GW had Methylene Chloride detected at 0.21 ug/L and Toluene detected at 0.76 ugL. There were no qualifications made for methylene chloride

because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made.

FWGTEAM1-TRIP had Methylene chloride detected at 0.40 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

FWGTEAM2-TRIP had Methylene chloride detected at 0.46 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

FWGTEAM3-TRIP had Methylene chloride detected at 0.40 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

FWGEQUIPRinse1-0456-GW had Potassium detected at 143; RL is 1000 ppb. Potassium contamination was less than ½ MRL; therefore no qualifications were made. FWGEQUIPRinse1-0456-GW had Zinc detected at 5.3ppb; RL is 10 ppb. All zinc samples EXCEPT FWGRQLmw-007c-0441-GF were qualified "B".

April 16 and 17, 2007

FWGEQUIPRinse2-0457-GW had Methylene Chloride detected at 0.26 ug/L and Toluene detected at 0.64 ugL. There were no qualifications made for methylene chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made.

FWGRinse Trip blank had Methylene Chloride detected at 0.34 ppb. No qualifications were made based on this trip blank since the result was less than ½ the MRL (2.0ppb).

FWGTEAM1 Trip Blank had Methylene chloride detected at 0.35 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

FWGTEAM2 Trip had Methylene chloride detected at 0.36 ppb. There were no detected results; therefore no qualifications were made.

FWGTEAM3 Trip Blank had Methylene chloride detected at 0.35 ppb. There were no detected results; therefore no qualifications were made.

FWGEQUIPRinse2-0457-GW had beta-BHC detected at 0.067; RL is 0.030 ppb. Sample FWGLL11mw-002c-0429-GW was qualified "B".

FWGEQUIPRinse2-0457-GW: Calcium was detected at 95; RL is 1000ppb. Copper was detected at 1.9; RL is 5.0 ppb. Potassium was detected at 148; RL is 1000ppb. Calcium, Copper, and Potassium result were less than ½ the MRL; therefore no qualifications were made.

Zinc was detected in the equipment rinse (FWGEQUIPRinse2-0457-GW) at 5.1; RL is 10 ppb. Zinc was qualified "B" in samples FWGCBPmw-007c-0436-GF,

FWGDA2DET1bR-0437-GF, FWGDETmw-3Br-0444-GF, FWGDETmw-4bR-0445-GF, FWGLL11mw-002c-0429-GF, FWGLL11mw-007c-0430-GF, FWGLL2mw-262c-0423-GF, FWGLL2mw-263c-0424-GF, and FWGLL3mw-242c-0426-GF.

April 17 and 18, 2007

FWGEQUIPRinse3-0458-GW had Methylene Chloride detected at 1.1 ug/L, acetone detected at 4.2 ug/L, 2-butanone detected at 5.3 ug/L, and Toluene detected at 0.53 ugL. There were no qualifications made for acetone because the contamination was less than ½ the MRL (10 ppb). Methylene chloride was qualified "U" in samples FWGBKGmw-012c-0410-GW, FWGBKGmw-013c-0411-GW, FWGTRIP- Team1, FWGTRIP-Team2, FWGTRIP-Team3, and FWGWBGmw-007c-0439-GW. 2-Butanone was qualified "U" in sample FWGBKGmw-018c-0415-GW. There were no detected results for Toluene; therefore no qualifications were made.

FWGTeam1-trip0417 had Methylene Chloride detected at 0.33 ppb. No qualifications were made based on this trip blank since the result was less than ½ the MRL (2.0ppb).

FWGTRIP-TEAM1 had Methylene chloride detected at 0.36 and acetone at 1.1 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).

FWGTRIP-TEAM2 had Methylene chloride detected at 0.31 and acetone at 1.1 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).

FWGTRIP-TEAM3 had Methylene chloride detected at 0.34 and acetone at 1.2 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).

FWGEQUIPRinse3-0458-GW (4/18/07) PETN was detected in the equipment rinse at 0.43 ug/L. There were no detected results; therefore no qualifications were made.

FWGEQUIPRinse3-0458-GW: Copper was detected at 2.1; RL is 5.0 ppb. Potassium was detected at 143; RL is 1000 ppb. All contamination less than ½ MRL; therefore no qualifications were made.

Zinc was detected in the equipment rinse (FWGEQUIPRinse3-0458-GW) at 4.9 ppb; RL is 10 ppb. All contamination less than ½ MRL; therefore no qualifications were made.

Nitrocellulose was detected in the equipment rinse (FWGEQUIPRinse3-0458-GW) at 0.22 ug/L. There were no detected results therefore on qualifications were made.

April 18 and 19, 2007

FWGTrip-Team 1 had Methylene Chloride detected at 0.31ug/L. FWGTrip-Team 2 had methylene chloride detected at 0.29 ug/L. FWGTrip Team 3 had methylene chloride detected at 0.34 ug/L. No qualifications were made since the contamination was less than ½ the RL.

FWGEQUIPRinse4-0459-GW had methylene chloride detected at 0.28ug/L and toluene detected at 0.42 ug/L. No qualifications were made since the contamination was less than ½ the RL.

FWGEQUIPRinse4-0459-GW: Calcium was detected at 99.5 ug/L; RL is 1000ppb. Potassium was detected at 147 ppb; RL is 1000ppb. Zinc was detected at 2.3 ppb; RL is 10 ppb. Copper was detected at 2.2 ppb; RL is 5.0 ppb. All results were less than ½ the MRL; therefore no qualifications were made.

Zinc was detected in FWGEQUIPRinse4-0459-GW at 2.3 ppb. The zinc RL is 10 ppb. Zinc was less than ½ the RL; therefore no qualifications were made.

Laboratory analyses were performed in analytical batches of ≤ 20 in order to maximize efficiency and group quality control requirements. Method blanks and laboratory control samples were analyzed at a frequency of 1:20 (5%) samples, or in each analytical batch whichever was greater. Sufficient volume was provided to the laboratory in order to assess matrix spike analysis on project samples at a frequency of 1:10 (10%) samples. Matrix spike/matrix spike duplicate analysis was performed by the laboratory as batch quality control at a frequency of 1:10 (10%).

Field quality control and laboratory quality control results were evaluated as part of the verification assessment provided in Appendix B. Project requirements were met for the frequency and quality of these samples.

Table 3-8 presents the percent, by analytical method, of data that was acceptable (based on data not rejected) for use. Data was rejected during this sampling and analysis event for a variety of reasons including LCS failures, surrogate failures,(less than 10%), MRL check failures and CCV failures as described in Appendix B . Under the requirements of the LCG this data is deemed unusable. This does not however have any negative affect on the usability of other parameters analyzed under the same method. Rejected data does call into question the interpretation of that particular data for a given monitoring event and it is important to correct any problems to prevent a reoccurrence for future sampling events. Steps have been taken to correct the situations which resulted in the rejection of analytical data. Key among these steps include a scheduled on-site Performance Audit conducted at the Test America North Canton facility by EQ personnel. This visit will be coordinated to coincide with the actual processing of RVAAP samples from the July 2007 sampling event. The agenda of this Performance Audit will focus solely on issues which contributed to the deficiencies identified during the original data review process. A copy of the Audit Report will be included in the 2007 Annual Report.

Table 3.8 Percent of Acceptable Data

Analytical Method	Total Number of Analytes	Number of Rejects	Percent Completeness
353.2	6	0	100.0
353.2 Modified	50	0	100.0
6010B	750	0	100.0
6020	350	0	100.0
7470A	50	0	100.0
8081A	1050	21	98.0
8082	350	0	100.0
8260B	2275	243	89.3
8270C	3300	35	98.9
8330	800	19	97.6
9012A	50	8	84.0
8330 Modified	50	0	100
TOTAL	**9081**	**326**	**96.4**

All qualified data has been discussed in the Data Verification Reports contained in Appendix B.

All other data meets the requirements specified in the USACE Louisville Guidance Document and the QAPP associated with this site. All qualified data performed by the data validator is further discussed in the Data Verification Reports contained in Appendix B.

SECTION 4

REFERENCES

Portage Environmental, 2004. *RVAAP Facility-Wide Groundwater Monitoring Program Plan.*

SAIC, 2001. *RVAAP Facility-Wide Sampling and Analysis Plan/Quality Assurance Project Plan.*

SAIC, 2001b, *Phase II Remedial Investigation report for the Winklepeck Burning Grounds at Ravenna Army Ammunition Plant, Ravenna, Ohio.*

SAIC/REIMS, 2005. *Table of Reported Construction Depths from REIMS Information.*

SpecPro, Inc., 2005a. *Facility-Wide Groundwater Monitoring Program Report on the April 2005 Sampling Event, Ravenna Training and Logistics Site / Ravenna Army Ammunition Plant, Ravenna, Ohio.*

SpecPro, Inc., 2005b: *Facility-Wide Groundwater Monitoring Program, Report on the July 2005 Sampling Event, Ravenna Training and Logistics Site/Ravenna Army Ammunition Plant, Ravenna, Ohio*

SpecPro, Inc. 2006a, *Facility-Wide Groundwater Monitoring Program, Annual Report for 2005, Ravenna Training and Logistics Site/Ravenna Army Ammunition Plant, Ravenna, Ohio*

SpecPro, Inc. 2006b, *Facility-Wide Groundwater Monitoring Program, Report on the March 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*

SpecPro, Inc. 2006c, *Facility-Wide Groundwater Monitoring Program, Report on the May 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*

SpecPro, Inc. 2006d, (Draft) *Facility-Wide Groundwater Monitoring Program, Annual Report for 2006, Ravenna Army Ammunition Plant, Ravenna, Ohio*

SpecPro, Inc. 2007a, *Facility-Wide Groundwater Monitoring Program, Report on the July 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*

SpecPro, Inc. 2007b, *Facility-Wide Groundwater Monitoring Program, Report on the October 2006 Sampling Event, Ravenna Army Ammunition Plant, Ravenna, Ohio*

APPENDIX A

FIELD LOG BOOK SHEETS
DAILY QC CONTROL REPORTS

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM - APRIL 2007

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
RQL-MW007	Ramsdell Quarry	4/12/2007	1215	3.60	18.56	Hard	WL / 05767
RQL-MW008	Ramsdell Quarry	4/12/2007	1218	3.70	18.60	Hard	WL / 05767
RQL-MW009	Ramsdell Quarry	4/12/2007	1222	2.50	18.77	Medium/Hard	WL / 05767
LL1-MW083	Loadline 1	4/12/2007	1252	28.06	41.46	Hard	WL / 05767
LL2-MW262	Loadline 2	4/12/2007	1309	5.76	22.60	Hard	WL / 05767
LL2-MW263	Loadline 2	4/12/2007	1318	6.33	22.58	Hard	WL / 05767
LL2-MW059	Loadline 2	4/12/2007	1334	10.01	21.88	Hard	WL / 05767
LL12-MW153	Loadline 12	4/12/2007	1410	4.30	25.05	Hard	WL / 05767
LL12-MW183	Loadline 12	4/12/2007	1425	9.74	36.27	Hard	WL / 05767
LL12-MW182	Loadline 12	4/12/2007	1432	7.79	38.12	Medium/Hard	WL / 05767, outside gate
LL12-MW186	Loadline 12	4/12/2007	1445	4.83	20.99	Hard	WL / 05767
BKG-MW020	Background	4/12/2007	1457	7.09	33.18	Hard	WL / 05767
WBG-MW009	Winklepeck	4/12/2007	1506	10.25	24.24	Hard	WL / 05767
WBG-MW006	Winklepeck	4/12/2007	1512	4.78	20.27	Medium/Hard	WL / 05767
WBG-MW007	Winklepeck	4/12/2007	1517	16.20	26.36	Hard	WL / 05767
DA2-MW107	Demo Area 2	4/12/2007	1540	6.40	16.83	Hard	WL / 05767
DET-4	Demo Area 2	4/12/2007	1550	10.20	13.80	Hard	WL / 05767
DET-3	Demo Area 2	4/12/2007	1556	8.96	16.00	Hard	WL / 05767

*All measurements from top of casing

Recorded By: Colleen Lear 4-12-07 
(Signature and time)

OA Check By:  5/1/07
(Signature and time)

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM - APRIL 2007

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LL11-MW007	Loadline 11	4/12/2007	1608	13.15	25.26	Medium / Hard	WL / 05767, no cap
LL11-MW002	Loadline 11	4/12/2007	1620	0.90	16.40	Medium / Hard	WL / 05767
BKG-MW015	Background	4/12/2007	1640	47.67	53.00	Hard	WL / 05767
BKG-MW004	Background	4/12/2007	1648	12.21	22.22	Hard	WL / 05767
BKG-MW012	Background	4/12/2007	1655	7.02	62.15	Soft ~0.2-0.3'	WL / 05767
BKG-MW013	Background	4/13/2007	755	11.02	29.96	Medium / Hard	WL / 05767
BKG-MW010	Background	4/13/2007	810	12.87	21.98	Hard	WL / 05767
BKG-MW008	Background	4/13/2007	820	13.58	27.37	Hard	WL / 05767
BKG-MW021	Background	4/13/2007	830	12.33	21.35	Hard	WL / 05767
BKG-MW006	Background	4/13/2007	845	22.39	37.51	Soft ~0.1'	WL / 05767
BKG-MW018	Background	4/13/2007	855	14.93	27.50	Hard	WL / 05767
BKG-MW017	Background	4/13/2007	907	15.89	36.00	Hard	WL / 05767, hold string
BKG-MW019	Background	4/13/2007	916	15.10	35.68	Soft	WL /05767 use channel lock
BKG-MW005	Background	4/13/2007	925	10.05	20.90	Hard	WL / 05767
BKG-MW016	Background	4/13/2007	935	5.22	21.15	Hard	WL / 05767

*All measurements from top of casing

Recorded By: Colleen Lear 4-13-07
(Signature and time)

QA Check By: 5/1/07
(Signature and time)

COMPREHENSIVE WATER LEVEL MEASUREMENTS

RVAAP FACILITY-WIDE GROUNDWATER MONITORING PROGRAM - APRIL 2007

Well Number	Location	Date	Time	Depth To Water*	Depth to Bottom	Description of bottom	Instrument/Serial Number
LL1-MW080	Loadline 1	4/12/2007	1248	9.29	22.40	Hard	WL Enviro / Inspector
LL1-MW078	Loadline 1	4/12/2007	1322	27.26	41.25	Hard	WL Enviro / Inspector
LL3-MW242	Loadline 3	4/12/2007	1427	13.28	22.54	Hard	WL Enviro / Inspector
LL3-MW238	Loadline 3	4/12/2007	1452	14.60	23.28	Hard	WL Enviro / Inspector
LL4-MW199	Loadline 4	4/12/2007	1507	5.38	23.30	Hard	WL Enviro / Inspector
LL4-MW198	Loadline 4	4/12/2007	1538	5.35	21.21	Hard	WL Enviro / Inspector
CBP-MW007	Central Burn	4/12/2007	1554	13.08	31.86	Hard	WL Enviro / Inspector
CBP-MW006	Central Burn	4/12/2007	1621	5.63	25.39	Hard	WL Enviro / Inspector

*All measurements from top of casing

Recorded By: Robert Secore 4-12-07
(Signature and time)

OA Check By: Colleen Lear 4-27-07
(Signature and time)

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG-004 background

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	1312	0.40	.4l/m	7.90	10.54	2.07	5.45	273.00	cloudy, tan tint, suspended sed
4/19/2007	1315	1.20	1.6l	7.27	10.13	2.07	7.84	190.00	cloudy, tan tint, suspended sed
4/19/2007	1318	1.2L	2.80	6.57	9.92	2.09	9.73	95.80	tinted, suspended sed
4/19/2007	1321	1.2L	4L	6.38	9.81	2.09	8.12	64.40	tinted, suspended sed
4/19/2007	1324	1.2L	5.20	6.11	9.82	2.08	7.39	28.70	tinted
4/19/2007	1327	1.2L	6.4L	5.87	9.73	2.09	5.33	4.51	tinted
4/19/2007	1330	1.2l	7.60	5.82	9.71	2.09	5.01	4.04	clear
4/19/2007	1333	1.2L	8.8L	5.84	9.72	2.09	5.98	3.73	clear

Recorded By: [signature] 4/19/07
(Signature and Date)

QA Check By: [signature] 5/25/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☐ Th ☒ F ☐ Sa Page 1 of 1

Team Members:

Nancy Clouse Colleen Lear

Narrative (include time and location):

Set up BKGmw004 well1305 begin PURGING at 1310, wl 12.3, DRAW DOWN 12.32, continuously monitored WL stabalize at 1333, WL AT 12.35 , sample AT 1345 FOR FWGBKG MW-004C-0405-GW & GF (METAL FIELD FILTERED) PEST PCB EXPLO CYANIDE SVOC VOC PROPELLANTS,dup collected fwgbkgmw-dup2-0449-gw & gf logged as 1410, and GPL split fwgbkgmw-004-0448s-gw&gf. FINISHED AT 1445, Decon equipment.

Daily Weather Conditions: A.M. p. sunny high 40s, ne breeze

P.M. p. sunny high 40s, ne breeze

Recorded By: Colleen Lear QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG MW-005

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	1426	1.44 L	1.44 L	6.85	7.81	0.48	2.25	142.00	WL= 9.98
4/18/2007	1429		2.88 L	6.69	7.79	0.49	1.85	143.00	
4/18/2007	1432		4.32 L	6.60	7.80	0.50	1.81	146.00	
4/18/2007	1435		5.76 L	6.57	7.83	0.50	1.81	139.00	
4/18/2007	1438	1.44L	7.20 L	6.55	7.84	0.51	1.83	129.00	

Recorded By: [signature] 4-18-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (Include time and location):

ARRIVE AT BKG MW-005 AT 1402, BEGIN PURGE AT 1415 CONTINUOUSLY MONITOR WL, CONTROLLER SET AT 6.5 RECHARGE AND 6.5 DISCHARGE, AIR THROTTLE AT 100 FT, SAMPLE AT 1445, FWGBKGmw-005c-0406-GW and -GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING AT 1512, DECON EQUIPMENT, LEAVE WELL AT 1521

Daily Weather Conditions: A.M. Cldy 40

P.M. Cldy 40 NE wind

Recorded By: Robert Secore 4-18-07 QA Checked By: [signature]

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG-MW006 BACKGROUND

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	1631	.25l	.25l/m	7.70	9.28	8.00	12.36	945.00	orange opaque
4/18/2007	1634	0.75	1l	7.51	9.33	8.24	9.57	999.00	high turbid orange opaque
4/18/2007	1637	0.75	1.75l	7.33	9.46	8.40	12.86	989.00	high turbid orange opaque
4/18/2007	1640	0.75	2.5l	7.14	9.57	8.39	11.58	999.00	
4/18/2007	1643	0.75	3.25l	7.02	9.60	8.39	11.01	999.00	orange opaque
4/18/2007	1646	0.75	4l	6.95	9.61	8.29	11.99	999.00	
4/18/2007	1649	0.75	4.75l	6.93	9.53	8.22	11.07	988.00	orange opaque

Recorded By: colleen lear 4/18/07
(Signature and Date)

QA Check By: J. M. 5/25/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

NANCY CLOUSE Colleen Lear

Aaron Roski

Narrative (include time and location):

Set up BKGmw-006 well, check water level. begin PURGING at 1630 , wl at 21.50 continuously monitor WL, DRAW DOWN , to 21.61, STABALIZE AT 1649 , SAMPLE AT 1710 FWGBKGmw-006C 0407-GW & gf FOR FILTERED METALS VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANT AT CMP4 REFILLL10.5 4.5 DISCHARGE AT 110 FT AIR THROTTLE, soft ground (surroundings), decon equipment and leave at 1745.

Daily Weather Conditions: A.M. CLDY 40S NE WIND

P.M. CLDY 40S

Recorded By: Colleen Lear QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG 008 Background

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	14:34	0.1 L	.15L	7.60	12.00	0.34	13.51	94.80	Water is pretty clear
4/19/2007	14:37	0.1 L	0.25	7.43	10.80	0.31	12.65	78.60	
4/19/2007	14:40	0.1 L	0.35	7.28	10.20	0.30	10.88	50.30	
4/19/2007	14:43	0.1 L	0.45	7.14	10.00	0.30	10.10	22.70	Water is pretty clear
4/19/2007	14:46	0.1 L	0.55	7.03	10.20	0.29	9.25	4.50	
4/19/2007	14:49	0.1 L	0.65	6.94	10.30	0.29	9.03	0.00	
			0.7L						

Recorded By: Eric C. Corbin 4/19/07
(Signature and Date)

QA Check By: 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☒ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Eric Corbin

Narrative (include time and location):

Arrive at BKG 008 at 14:15. Visual inspection of well - looked fine. Took water level measurement - 13.5. Began purging and taking water quality measurements at 14:30. Continuously measured WL, Less than 0.3 drawdown. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, and metals (filtered) at 14:50. FWGBKGmw008C-0408-GW and -GF. Finished sampling at 15:35. Decon equipment and clean up area. Pack up truck and leave site at 15:50.

Daily Weather Conditions: A.M. _____

P.M. P Sunny 40-50s

Recorded By: Eric C. Corbin 4/19/07 QA Checked By: [signature] 6/15/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG MW-010

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	1450	0.36L	.12l/m	6.77	12.53	0.27	1.36	12.40	SLOW RECHARGE
4/19/2007	1453	0.36L	.72 L	5.69	12.08	0.22	0.94	5.70	120 ML/MINUTE
4/19/2007	1456	0.36L	1.08 L	5.26	11.76	0.22	0.86	2.70	
4/19/2007	1459		1.44 L	5.07	11.72	0.22	0.81	0.30	
4/19/2007	1502		1.80 L	4.94	11.29	0.23	0.76	0.00	
4/19/2007	1505	0.36L	2.16 L	4.92	11.16	0.23	0.72	0.00	
4/19/2007	1508	0.36L	2.52	4.89	10.90	0.23	0.69	0.00	

Recorded By: [signature] 4-19-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☒ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT BKG MW-010 AT 1437, BEGIN PURGE AT 1443 AND MONITOR WL, CONTROLLER SET AT RECHARGE 12 AND DISCHARGE 3, AIR THROTTLE AT 50FT, SAMPLE AT 1510 FWGBKGmw-010C-0409-GW and -GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING AT 1634, DEON EQUIP, LEAVE WELL AT 1640.

Daily Weather Conditions: A.M. p cldy/sun 40s NE wind

P.M.

Recorded By: Robert Secore 4-19-07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG-MW012 BACKGROUND

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	1310	.3L	.15L/M	7.00	9.02	4.79	11.23	769.00	BLACK, ODOR, PETRO?/SANITARY?
4/18/2007	1313	0.53	.175L/M	7.68	9.16	4.56	9.82	980.00	BLACK, ODOR
4/18/2007	1316			7.64	9.23	4.55	8.01	990.00	
4/18/2007	1319	0.53		7.62	9.28	4.54	7.06	999.00	HIGH TURB, BLACK
4/18/2007	1322		3L	7.69	9.28	4.54	5.67	997.00	HIGH TURB, BLACK

Recorded By: 4/18/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

NANCY CLOUSE Colleen Lear

Narrative (include time and location):

Set up BKGmw-012 well begin PURGING at 1310, wl 7.53, DRAW DOWN to 7.72 (continuously monitor water level for drawdown), STABALIZE AT 1322, SAMPLE FWGBKGmw-012C-0410-GW & gf FOR FILTERED METALS, and VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANT, Decon Equipment

Daily Weather Conditions: A.M. CLDY 40S NE WIND

P.M.

Recorded By: Colleen Lear QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG-MW013 BACKGROUND

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	1501	0.50	.3L/M	8.06	9.56	5.30	9.61	499.00	
4/18/2007	1504	0.60		8.22	9.60	5.22	5.04	460.00	
4/18/2007	1507	0.60		8.37	9.65	5.22	7.50	497.00	
4/18/2007	1510	0.60		8.17	9.64	5.20	7.70	539.00	tinted
4/18/2007	1513	0.60		8.11	9.62	5.29	7.68	462.00	
4/18/2007	1515	0.60		8.05	9.63	5.34	7.34	305.00	
			3.5L						

Recorded By: [signature] 4/18/07 (Signature and Date)

QA Check By: [signature] 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

NANCY CLOUSE Colleen Lear

Narrative (include time and location):

Set up BKGmw-013 well begin PURGING at 1500, wl 11.10, continuously check wl and DRAW DOWN TO 11.17, STABALIZE AT 1515 , SAMPLE FWGBKGmw-013C-0411-GW & gf FOR FILTERED METALS, VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANT AT 1530, CMP4 REFILLL10.5 4.5 DISCHAQRGE AT 110 FT AIR THROTTLE, decon equipment, leave at 1600

Daily Weather Conditions: A.M. CLDY 40S NE WIND

P.M. CLDY 40S

Recorded By: Colleen Lear Colleen Lear QA Checked By: Jo Ann Tell

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG MW-015 Background

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	1639	.360 L	.360 L	7.03	10.84	0.32	1.60	129.00	
4/18/2007	1642	0.36	.72 L	6.96	10.39	0.31	1.07	106.00	
4/18/2007	1645		1.08 L	6.91	10.07	0.31	0.82	98.60	
4/18/2007	1648		1.44 L	6.86	9.97	0.30	0.69	80.10	
4/18/2007	1651	0.36	1.80 L	6.85	9.89	0.30	0.65	56.80	
4/18/2007	1654		2.16 L	6.83	9.87	0.30	0.62	39.40	

Recorded By: [signature] 4-18-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT BKG MW-015 AT 1609, BEGIN PURGE AT 1624 CONTInuously check WL. CONTOLLER AT 13 RECHARGE AND 2 DISCHARGE, AIR THROTTLE AT 80 FT, BEGIN SAMPLE AT 1655 FWGBKGmw-015C-0412-GW and -GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING AT 1909, DECON EQUIP, LEAVE WELL AT 1917.

Daily Weather Conditions: A.M. cldy NE wind 40s

P.M. cldy 40s

Recorded By: Robert Secore 4-18-07 QA Checked By: Jo M. Miller

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG 016 Background

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	15:17	0.15 L		6.45	8.70	0.12	11.61	649.00	Water is cloudy
4/18/2007	15:20	0.15 L	.3L	6.37	8.20	0.11	11.52	573.00	
4/18/2007	15:23	0.15 L		6.23	8.20	0.11	11.20	477.00	
4/18/2007	15:26	0.15 L	.9L	6.16	8.10	0.11	11.00	267.00	

Recorded By: Erik C. Corbin 4/18/07
(Signature and Date)

QA Check By: [signature] 6/14/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Eric Corbin

Narrative (include time and location):

Arrive at BKG 016 at 15:00. Visual inspection of well - looked fine. Took water level measurement - 5.2. Began purging and taking water quality measurements at 15:15. Continuously measured WL, Drawn down less than 0.3. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, and metals (filtered) at 15:27. FWGBKGmw-016C-0407-GW and -GF. Finished sampling at 16:15. Decon equipment and clean up area. Pack up truck and leave site at 16:30.

Daily Weather Conditions: A.M. cldy 40s

P.M. cldy 40s

Recorded By: Eric C. Corbin 4/18/07 QA Checked By: 6/14/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG-MW017 background

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	0818	.25l	.25l/m	5.63	9.58	8.04	15.60	800.00	cloudy grey turbid
4/19/2007	0821	0.90	.3l/m	5.99	9.89	7.84	14.23	956.00	cloudy grey turbid
4/19/2007	0824	0.90	2.05	6.23	10.05	7.81	13.92	821.00	cloudy grey turbid
4/19/2007	0827	0.90	3.00	6.54	10.14	7.83	12.96	999.00	cloudy grey turbid
4/19/2007	0830	0.90	3.90	6.82	10.21	7.92	14.39	829.00	cloudy grey turbid
4/19/2007	0833	0.90	4.80	6.97	10.31	7.96	11.95	999.00	cloudy grey turbid
4/19/2007	0836	0.90	5.70	7.00	10.32	7.97	13.84	801.00	cloudy grey turbid
4/19/2007	0839	0.90	6.6L	7.07	10.35	7.99	15.43	927.00	cloudy grey turbid

Recorded By: _____ 4/19/07
(Signature and Date)

QA Check By: _____ 5/25/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☐ Th ☒ F ☐ Sa Page 1 of 1

Team Members:

Nanacy Clouse

Colleen Lear

Narrative (include time and location):

Set up BKGmw-017 well begin PURGING at 0815, wl 13.70, DRAW DOWN 13.81, continuously monitored WL stabalize at 0839, WL AT .13.69 good recharging. 0850 set up for sampling , sample AT 0900 FOR FWGBKG MW-017c-0414-GW & GF METAL (FIELD FILTERED) PEST PCB XPLO CYANIDE SVOC VOC PROPELLANTS with MSMSD, pump set at refill 9 dischaRGE 7 AND air throttle at 120 ft, FINISHED AT 1000, WL 13.72, decon equipment

Daily Weather Conditions: A.M. ne wind 40s cold p. cloudy/sunny

P.M.

Recorded By: Colleen Lear

QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG 018 Background

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	13:05	0.125 L		6.25	9.20	0.28	11.24	0.80	Water is clear
4/18/2007	13:08	0.125 L		6.24	8.80	0.28	11.17	0.00	
4/18/2007	13:11	0.125 L		6.28	8.60	0.27	10.66	0.00	
			1.5L						

Recorded By: Erik C. Corbin 4/18/07
(Signature and Date)

QA Check By: 6/14/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Eric Corbin

Narrative (include time and location):

Arrive at BKG 018 at 12:45. Visual inspection of well - looked fine. Took water level measurement - 14.8. Began purging and taking water quality measurements at 13:00. Continuously measured WL, Draw down less than 0.3. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, and metals (filtered) at 13:12. FWGBKGmw-018C-0415-GW and -GF. Finished sampling at 13:50. Decon equipment and clean up area. Pack up truck and leave site at 14:00.

Daily Weather Conditions: A.M. cldy 40, ne wind

P.M. cldy 40s

Recorded By: Eric C. Corbin 4/18/07 QA Checked By: 6/14/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG MW-019 background

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	1203	1.2 L	1.2 L	7.09	9.69	0.74	1.48	1245.00	WATER INITIALLY CLOUDY
4/18/2007	1206	1.20	2.4 L	6.98	9.60	0.74	0.48	2000.00	WL= 16.09
4/18/2007	1209	1.20	3.6 L	6.95	9.57	0.74	0.34	2000.00	
4/18/2007	1212		4.8 L	6.96	9.57	0.74	0.27	2000.00	
4/18/2007	1215	1.20	6.0 L	6.96	9.56	0.74	0.23	2000.00	
4/18/2007	1218		7.2 L	6.98	9.15	0.74	0.30	198.00	
4/18/2007	1221	1.20	8.4 L	6.99	9.07	0.74	0.31	420.00	
4/18/2007	1224	1.2L	9.6 L	6.99	9.20	0.74	0.29	670.00	

Recorded By: [signature] 4-18-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT BKG MW-019 AT 1145, BEGIN PURGE AT 1152 CONTINUOUSLY CHECK WL, CONTROLLER SET AT RECHARGE 9 AND DISCHARGE 6, AIR THROTTLE AT 140, SAMPLE AT 1230, END SAMPLING AT 1300 FWGBKGmw009C-0416-GW AND GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), AFTER PUMP DECON A EQUIPMENT BLANK WAS TAKEN, CALLED EQUIPMENT RINSE 3 AT 1320 FWGEQUIPRinse3-0458-gw, METALS SAMPLE WAS UNFILTERED FOR THE EQUIPMENT BLANK, LEAVE WELL AT 1350.

Daily Weather Conditions: A.M. CLDY 40

P.M. CLDY 40S

Recorded By: Robt Secore 4-18-07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG-MW020 BACKGROUND BY WINKLEPECK

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	1055	.5L	.5L	7.35	9.16	4.36	14.57	585.00	black
4/18/2007	1058	.175L/M	1L	7.08	9.45	4.30	15.53	367.00	
4/18/2007	1101		1.50	7.04	9.55	4.26	14.67	137.00	
4/18/2007	1104		2.10	6.86	9.57	4.25	14.50	107.00	black
4/18/2007	1107		2.60	6.84	9.56	4.23	15.68	82.90	BLACK TINT
4/18/2007	1110		3.20	6.86	9.55	4.24	15.75	80.10	tint
			3.5L						

Recorded By: 4/18/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Nancy Clouse Colleen Lear

Narrative (include time and location):

Set up BKGmw-020 well begin PURGING at 1055, wl 7.50, CONTINUOUSLY MONITOR WL, DRAW DOWN 7.60 stabalize at 1110 WL AT 7.63 , sample at 1125 FOR FWGBKGmw-020C-0417-GW & GF (METAL FIELD FILTERED) and PEST PCB XPLO CYANIDE SVOC VOC PROPELLANTS, decon equipment, LEAVE AREA

Daily Weather Conditions: A.M.

P.M.

Recorded By: Colleen Lear 4/18 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: BKG-MW021 BACKGROUND

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	1051	0.20	.2l/m	7.73	10.94	7.46	9.80	5.60	clear
4/19/2007	1054	0.20	.8l	7.45	9.89	7.53	10.58	5.91	clear
4/19/2007	1057	0.20	1.4l	7.18	9.68	7.65	9.99	6.32	clear
4/19/2007	1100	0.20	2l	7.17	9.73	7.67	11.49	7.25	clear
4/19/2007	1103	0.20	2.6l	7.09	9.80	7.64	9.21	6.47	clear

Recorded By: 4/19/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☐ Th ☒ F ☐ Sa Page 1 of 1

Team Members:

Nancy Clouse Colleen Lear

Narrative (include time and location):

Set up BKGmw-021 well 1040 begin PURGING at 1047, wl 12.25, DRAW DOWN to12.30, continuously monitored WL. stabalize at 1103 WL AT 12.27 , set pump at 107 ft air throttle, discharge5, refill10, sample AT 1120 FOR FWGBKG MW-021C-0418-GW & GF(MeTAL FIELD FILTRED) PEST, PCB, XPLO, CYANIDE, SVOC, VOC, PROPELLANTS, and metals with a msmsd collected FINISHED AT 1230 , decon equipment

Daily Weather Conditions: A.M. sunny mid 40s p cloudy

P.M.

Recorded By: Colleen Lear CL 4/19 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL1 MW 78 LOAD LINE 1

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	1552	.78 L	0.78L	6.56	9.59	0.35	2.93	444.00	WL= 27.33
4/16/2007	1555		1.56 L	6.36	9.52	0.35	2.41	430.00	
4/16/2007	1558		2.34 L	6.31	9.46	0.35	2.37	346.00	
4/16/2007	1601		3.12 L	6.29	9.52	0.35	2.35	326.00	WL= 27.37

Recorded By: [signature] 4-16-07
(Signature and Date)

QA Check By: [signature] 6/5/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES McDANIEL

ROBERT (ZEKE) SECORE

Narrative (Include time and location):

ARRIVE AT LL1 MW-78 AT 1530, CHECK WL 27.33, BEGIN PURGE AT 1548 CONTINUOUSLY MONITOR WL, CONTROLLER SET AT REFILL 10, DISCHARGE 5, AIR THROTTLE AT 110FT, SAMPLE AT 1605, FWGLL1mw-078C-0419-GW AND GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING AT 1700, LEAVE WELL AT 1720

Daily Weather Conditions: A.M. CLDY COLD 40

P.M. WIND GUSTS, LOW 40, CLDY

Recorded By: [signature] 4-16-07 QA Checked By: [signature]

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL MW-80 LOAD LINE 1

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	1402	.6 L	.6 L	6.64	8.45	0.24	2.65	14.60	WL= 9.60
4/16/2007	1405	0.60	1.2 L	6.67	8.38	0.24	2.59	13.50	
4/16/2007	1408	0.60	1.8 L	6.70	8.42	0.24	2.53	12.00	
4/16/2007	1411	0.60	2.4 L	6.71	8.48	0.23	2.50	8.80	
4/16/2007	1414	0.60	3.0 L	6.71	8.31	0.23	2.48	5.20	

Recorded By: RLK Spear 4-16-07
(Signature and Date)

QA Check By: 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

James McDaniel

Robert (Zeke) Secore

Narrative (include time and location):

ARRIVE AT LL MW-80 - 1325, CHECK WATER LEVEL 9.60 AND CONTIUOUSLY CHECK FOR DRAWDOWN, BEGIN PURGE 1355. CONTROLLER SET AT 12 RECHARGE, 3 DISCHARGE, AIR THROTTLE 50FT, SAMPLE AT 1420,FWGLL1mw-080C-0420-GW AND -GF for VOC, SVOC, PEST, PCB, EXPLO. CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING AT 1520, LEAVE WELL AT 1530. DECON EQUIP

Daily Weather Conditions: A.M. cldy 30-40

P.M. cldy 40 s wind gusts

Recorded By: Robert Secore 4-16-07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL1 MW-83 Load Line 1

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	1745	1.02 L	.34L/M	5.68	9.09	0.23	2.96	101.00	WL= 28.31
4/16/2007	1748	1.02	2.04	4.76	9.07	0.23	1.82	68.20	
4/16/2007	1751	1.02	3.06	4.55	9.06	0.23	1.60	47.00	
4/16/2007	1754	1.02	4.08L	4.51	8.92	0.23	1.57	29.80	
4/16/2007	1757			4.51	8.93	0.23	1.56	23.30	
4/16/2007	1800			4.50	8.80	2.27	1.56	19.90	

Recorded By: [signature] 4-16-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES McDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT LL1 MW-83 AT 1722, CHECK WATER LEVEL 28.31 and contiuously check for drawDOWN, BEGIN PURGE AT 1740, AIR THROTTLE AT 100FT, CONTROLLER AT 11 RECHARGE, 4 DISCHARGE, SAMPLE FWGLL1mw-083C-0421-GW AND GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), AT 1805, END SAMPLING, 1905, GREAT RECHARGE. LEAVE WELL, 1910. DECON EQUIP.

Daily Weather Conditions: A.M. _____

P.M. CLDY WIND GUSTS LOW 40S

Recorded By: Robert Secore 4-16-07 QA Checked By: J. M. Miller

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL2 MW-59 LOAD LINE 2

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	1836	0.6 L	0.6 L	7.72	10.49	0.38	2.21	503.00	WL= 10.45
4/17/2007	1839	0.60	1.2 L	6.98	8.83	0.38	1.57	182.00	
4/17/2007	1842	0.60	1.8 L	6.71	8.63	0.38	1.48	174.00	
4/17/2007	1845	0.60	2.4 L	6.58	8.55	0.38	1.46	162.00	
4/17/2007	1848	0.60	3.0 L	6.49	8.50	0.38	1.43	150.00	
4/17/2007	1851	0.60	3.6 L	6.44	8.51	0.38	1.41	164.00	WL=10.50

Recorded By: Kit Spear 4-17-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:
JAMES MCDANIEL
ROBERT (ZEKE) SECORE

Narrative (include time and location):
ARRIVE AT LL2 MW-59 AT 1821, BEGIN PURGE AT 1828, CONTINUOUSLY CHECK WL, CONTROLLER AT RECHARGE 11.5 AND DISCHARGE 3.5, AIR THROTTLE AT 30 FT, SAMPLE AT 1855 FWGLL2mw-059C-0422-GW AND GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING 1955, LEAVE WELL AT 2005.

Daily Weather Conditions: A.M. CLDY 40
P.M. CLDY 40

Recorded By: Robert Secore 4-17-07 QA Checked By: Jo. M. Miller

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: ll2-mw262 loadline 2

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	1346	.75L	.2l/m	7.09	9.84	4.66	7.88	90.20	
4/17/2007	1349		1.25l	6.78	9.61	4.62	8.12	78.40	
4/17/2007	1352		1.75l	6.52	9.40	4.64	10.10	79.88	
4/17/2007	1355		2L	6.25	9.69	4.66	11.12	46.66	
4/17/2007	1358			6.12	9.75	4.65	11.99	97.22	
4/17/2007	1401			6.05	9.76	4.65	12.92	80.01	
4/17/2007	1404			6.05	9.69	4.63	12.34	77.80	
			1 gal						

Recorded By: 4/17/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Dan Jelinek Colleen Lear

Narrative (include time and location):

Set up at the LL2mw-262 well 1340, check water level, purge well at 1345, Continuously monitor water level, less than 0.3 draw down. Stabalized at 1405 , Sampled at1415 (FWGLL2mw-262C-0423-GW and -GF), settings of cpm4 11 refill 4 discharge approx 60 ft air throttle. VOC, Svoc, Pest, Pcb, Explo, Propellants, Cyanide, Filtered metals

Daily Weather Conditions: A.M. CLDY NW WIND 40

P.M. CLDY 40

Recorded By: Colleen Lear

QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: ll2-mw263 loadline 2

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	1517	.5L	.4l/m	6.30	8.48	2.55	15.32	245.00	cloudy grey
4/17/2007	1520	1.70		6.40	8.42	2.64	10.07	188.00	
4/17/2007	1523	2.90		6.42	8.46	2.68	9.76	152.34	cloudy grey
4/17/2007	1526	4.1L		6.45	8.43	2.72	6.72	121.00	cloudy grey
			1.25 gal						

Recorded By: 4/17/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Dan Jelinek Colleen Lear

Narrative (include time and location):

set up at LL2 mw263 well and check water level, begin purge 1515, continuously check wl, less than 0.3 drawdown, stabalized at 1526, sample well at1540, 1610 COMPLETE, SAMPLed for VOC SVOC PEST PCB EXPLO CYANIDE PROPELLANTS METALS FIELD FILTRED FOR -GF SAMPLE AT FWGLL2mw-263C-0424-GW and -GF, decon equip AND COLLECT RINSE SAMPLE FWGEQUIPRinse2-0457-gw @ 1740

Daily Weather Conditions: A.M. CLDY nw WIND damp 40

P.M. CLDY 40

Recorded By: Colleen Lear CeL 4/17/07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: Loadline 3 LL3-mw238

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	1530	.45ml/m	2L	6.31	8.30	233.00	17.90	120.00	
4/16/2007	1534	.3ml/m	3.20	6.29	8.24	231.00	18.00	139.00	
4/16/2007	1538	1.2l	4.40	6.32	8.13	228.00	19.00	135.00	
4/16/2007	1542	1.2L	5.60	6.56	8.06	226.00	19.00	133.00	
4/16/2007	1547	1.5L	7.10	6.38	8.03	227.00	11.33	120.00	
4/16/2007	1550	0.90	8.00	6.37	8.08	229.00	11.44	123.00	
4/16/2007	1552	0.90	9.00	6.36	8.06	229.00	14.44	124.00	
			10L						

Recorded By: DJ a [signature] 4/16/07
(Signature and Date)

QA Check By: [signature] 5/25/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Dan Jelinek Colleen Lear

Narrative (include time and location):

ll3-238 checked water level, purge at 1530, continuously monitor water level, less than 0.3 drawdown, stabilized 1552, FWGLL3mw-238C-0425-GW and -GF sample at 1600 for voc, svoc, explo, pest, pcb, propellants, cyanide, metals (filtered), DECON EQUIP AND COLLECT RINSE SAMPLE, FWGEQUIPRinse1-0456-GW AND GF AT 1850, PACK UP SITE

Daily Weather Conditions: A.M.

P.M. Windy w/ gusts, low 40s, cloudy

Recorded By: Dan Jelinek Colleen Lear 4/17/07 QA Checked By: J. M. Dale

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL3 MW-242 LOAD LINE 3

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	1030	.54 L	.54 L	5.83	8.39	0.15	2.10	22.90	WL= 13.62
4/17/2007	1033	0.54	1.08 L	5.68	8.09	0.16	1.62	10.10	
4/17/2007	1036		1.62 L	5.65	7.99	0.16	1.51	7.10	
4/17/2007	1039		2.16 L	5.64	8.02	0.16	1.45	5.40	
4/17/2007	1042	0.54	2.70 L	5.63	7.98	0.16	1.42	4.90	
4/17/2007	1045	.54L	3.24 L	5.63	8.03	0.16	1.38	4.60	
4/17/2007	1048		3.78 L	5.63	8.04	0.16	1.34	4.00	

Recorded By: [signature] 4-17-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT LL3 MW-242 AT 1010, BEGIN PURGE AT 1020, CONTINUOUSLY CHECK THE WL, CONTOLLER SET AT 11 RECHARGE AND 3 DISCHARGE, AIR THROTTLE AT 50 FT, SAMPLE FWGLL3mw-242c-0426-gw AND gf for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED) AT 1050, END SAMPLING AT 1225, LEAVE WELL AT 1235.

Daily Weather Conditions: A.M. CLDY 40

P.M. CLDY 40S

Recorded By: Robert Secore 4-17-07 QA Checked By: J. M. Miller

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL4 MW-198 LOAD LINE 4

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	843	.9 L	.9 L	5.51	7.34	0.33	2.30	850.00	WL= 6.10
4/17/2007	846	0.90	1.8 L	5.75	7.19	0.34	0.83	793.00	WATER VERY CLOUDY
4/17/2007	849	0.90	2.7 L	5.83	7.26	0.33	0.55	601.00	
4/17/2007	852	0.90	3.6 L	5.86	7.22	0.33	0.51	549.00	
4/17/2007	855		4.7 L	5.87	7.18	0.33	0.44	459.00	
4/17/2007	858		5.6 L	5.88	7.19	0.33	0.41	407.00	
4/17/2007	901		6.4 L	5.88	7.20	0.33	0.39	356.00	

Recorded By: [signature] 4-17-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT LL4 MW-198 AT 825, BEGIN PURGE AT 835, CONTINUOUSLY CHECK WL, CONTROLLER SET AT RECHARGE 12.5, DISCHARGE 2.5, AIR THROTTLE AT 90 FT, SAMPLE FWGLL4mw-198C-0427-GW AND GF AT 905 for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING AT 947, LEAVE WELL AT 1000.

Daily Weather Conditions: A.M.

P.M.

Recorded By: Robert Secore 4-17-07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL-4 MW-199 Load Line 4

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	15:10	0.45 L/M	1.35L	6.96	9.40	0.72	13.85	999.00	Water is very turbid
4/16/2007	15:13	1.35	2.70	6.93	9.10	0.71	13.43	999.00	
4/16/2007	15:16	1.35	4.05	6.94	8.60	0.72	11.06	999.00	
4/16/2007	15:19	1.35	5.4L	6.70	8.70	0.70	10.88	999.00	Water is very turbid
			5.5L						

Recorded By: Erik C. Corbin 4/16/07
(Signature and Date)

QA Check By: [signature] 6/14/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Eric Corbin

Narrative (include time and location):

Arrived at well LL-4 MW/199 at 15:00. Visual inspection - well looked OK. Took WL measurement - 5 feet. Began purging and taking water quality measurements at 15:05. Continuously measured WL, Less than 0.3 drawdown. Stabalized. Started sampling well for VOCs, SVOCs, PCBs, Pest, EXP, Prop, CN, and metals (filtered) at 15:20. FWGLL4mw-199C-0428-GW and -GF Finished sampling at 16:05. Decon equipment and clean up area. Pack up truck and leave site at 16:20.

Daily Weather Conditions: A.M. _____

P.M. cloudy 40s

Recorded By: Eric C. Corbin 4/16/07 QA Checked By: [signature] 6/14/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Page: 1 of 1

Well Number and Location: LL11 002 Loadline11

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	14:18	0.2 L/M	.4L	6.65	9.40	0.61	11.67	999.00	Water extremely turbid.
4/17/2007	14:21	0.2 L/M	1L	6.75	8.80	0.61	10.27	999.00	
4/17/2007	14:24	0.2 L/M	0.60	6.78	8.80	0.61	10.15	999.00	
			2L						

Recorded By: Erik C. Corbin 4/17/07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Erik Corbin

Narrative (include time and location):

Arrive at LL11 002 at 14:05. Took water level measurement - 0.5. Began purging and taking water quality measurements at 14:15. Continuously measured WL, Less than 0.3 drawdown. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, and metals (filtered) at 14:25. FWGLL11mw-002C-0429-GW and -GF, QA split FWGLL11mw-002C-0454S-GW and -GF and field duplicate FWGLL11mw-Dup5-0455-GW and -GF also collected at this well. Finished sampling at 16:05. Decon equipment and clean up area. Pack up truck and leave site at 16:25.

Daily Weather Conditions: A.M. cloudy damp 40s

P.M. cloudy 40s

Recorded By: Erik C. Corbin 4/17/07 QA Checked By: [signature] 6/15/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL11 007 Loadline 11

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	10:59	0.2 L/M	.25L	5.39	9.60	0.78	10.54	999.00	
4/17/2007	11:02	.6L	.85L	5.78	9.30	0.74	10.53	679.00	
4/17/2007	11:05	.6L	1.45	6.19	9.10	0.72	10.19	327.00	
4/17/2007	11:08	.6L	2.05L	6.20	9.00	0.71	10.08	284.00	
4/17/2007	11:11	.6L	2.65L	6.30	9.00	0.72	10.07	254.00	
4/17/2007	11:12	.1L	2.75L						

Recorded By: Eric C. Corbin 4/17/07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Erik Corbin

Narrative (include time and location):

Arrive at LL11 007 at 09:15. No dedicated tubing in well. Had to go get tubing. Replaced tubing. No air hose for controller - had to go back and get hose. Took water level measurement - 13.1. Began purging and taking water quality measurements at 10:50. Continuously measured WL, Less than 0.3 drawdown. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, and metals (filtered) at 11:12. FWGLL11mw-007C-0430-GW and -GF, MS and MSD also collected at this well. Finished sampling at 13:00. Decon equipment and clean up area. Pack up truck and leave site at 13:20.

Daily Weather Conditions: A.M. cloudy 40

P.M. cloudy 40

Recorded By: Erik C. Corbin 4/17/07 QA Checked By: 6/15/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL12 MW-153 LOAD LINE 12

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	1209	.36 L	.36 L	6.82	12.96	1.25	1.14	72.50	
4/19/2007	1212	0.12L/M	.72 L	6.78	11.59	1.24	0.70	59.40	
4/19/2007	1215		1.08 L	6.77	11.12	1.24	0.56	47.30	
4/19/2007	1218		1.44 L	6.76	11.45	1.23	0.48	42.60	
4/19/2007	1221		1.80 L	6.76	11.86	1.23	0.44	39.30	
4/19/2007	1224		2.16 L	6.76	11.79	1.23	0.41	35.00	

Recorded By: [signature] 4-19-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☒ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (Include time and location):

ARRIVE AT LL12 MW-153 AT 1145, BEGIN PURGE AT 1155, CONTINUOUSLY CHECK WL, CONTROLLER SET AT RECHARGE 12 AND DISCHARGE 3, AIR THROTTLE AT 25FT, SAMPLE AT 1230, FWGLL12mw-153C-0431-GW AND -GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, NITRITE/NITRATE, METAL (FIELD FILTERED), END SAMPLING AT 1416, LEAVE WELL AT 1423.

Daily Weather Conditions: A.M. NE WIND, 40S, P CLDY

P.M. P CLDY/SUN 40S

Recorded By: Robert Secore 4-19-07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Page: 1 of 1

Well Number and Location: LL12 182 Loadline 12

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	10:27	0.1 L	.3L	7.03	12.40	1.04	9.75	999.00	Water is dirty
4/19/2007	10:30	0.1 L	0.60	7.05	11.50	1.04	9.43	999.00	
4/19/2007	10:33	0.1 L	0.90	7.18	11.40	1.03	9.18	999.00	
			1L						

Recorded By: Erik C. Corbin 4/19/07
(Signature and Date)

QA Check By: [signature] 10/14/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☒ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Erik Corbin

Narrative (include time and location):

Arrive at LL12 183 at 08:10. Visual inspection of well - looked fine. Took water level measurement - 9.3. Began purging and taking water quality measurements at 08:25. Continuously measured WL, Less than 0.3 drawdown. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, NO3/NO2 and metals (filtered) at 08:55. MS/MSD collected for NO3/NO2 only. FWGLL12-183C-0433-GW and -GF Finished sampling at 09:55. Decon equipment and clean up area. Pack up truck and leave site at 10:10.

Daily Weather Conditions: A.M. mid 40, pcldy ne wind

P.M. mid 40s, p sunny, ne winds

Recorded By: Erik C. Corbin 4/19/07 QA Checked By: [signature] 6/14/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL12 MW-186 LOAD LINE 12

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	830	.30 L	.30 L	6.47	7.82	1.09	1.48	201.00	VERY LOW FLOW
4/19/2007	833	.30 L	.60 L	6.64	7.90	1.10	1.23	144.00	100 ML/MINUTE
4/19/2007	836	.30 L	.90 L	6.72	8.15	1.10	1.05	133.00	
4/19/2007	839	.30 L	1.2 L	6.76	8.13	1.11	0.97	131.00	
4/19/2007	842	.30 L	1.5 L	6.78	8.43	1.11	0.93	125.00	
4/19/2007	845	.30 L	1.8 L	6.79	8.43	1.11	0.91	115.00	

Recorded By: [signature] 4-19-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☒ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT LL12 MW-186 AT 810, BEGIN PURGE AT 817, CONTINUOUSLY CHECK WL, CONTROLLER SET AT RECHARGE 11.5 AND DISCHARGE 3.5, AIR THROTTLE AT 25 FT, SAMPLE FWGLL12mw186C-0434-GW AND -GF AT 850 for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, NITRITE/NITRATE, METALS (field filtered), END SAMPLING AT 1130, DECON, LEAVE WELL AT 1140.

Daily Weather Conditions: A.M. NE WIND 40S, P CLDY

P.M. NE WIND, 40S,

Recorded By: [signature] QA Checked By: [signature]

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: LL12 183 Loadline 12

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/19/2007	08:32	0.1 L	.25L	6.10	9.40	0.90	10.82	560.00	Water is cloudy
4/19/2007	08:37	0.1 L		6.25	8.80	0.95	10.42	470.00	
4/19/2007	08:41	0.1 L		6.40	8.90	0.95	10.13	454.00	
4/19/2007	08:44	0.1 L		6.52	9.30	0.94	9.96	383.00	
4/19/2007	08:47	0.1 L		6.65	9.50	0.94	9.90	316.00	
4/19/2007	08:50	0.1 L		6.80	9.80	0.94	9.56	256.00	
4/19/2007	08:53	0.1 L		6.83	9.60	0.94	9.87	230.00	
			2.4L						

Recorded By: Erik C. Corbin 4/19/07
(Signature and Date)

QA Check By: [signature] 6/14/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/19/2007 ☐ Su ☐ M ☐ Tu ☐ W ☒ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Erik Corbin

Narrative (include time and location):

Arrive at LL12 183 at 08:10. Visual inspection of well - looked fine. Took water level measurement - 9.3. Began purging and taking water quality measurements at 08:25. Continuously measured WL, Less than 0.3 drawdown. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, NO3/NO2 and metals (filtered) at 08:55. MS/MSD collected for NO3/NO2 only. FWGLL12-183C-0433-GW and -GF Finished sampling at 09:55. Decon equipment and clean up area. Pack up truck and leave site at 10:10.

Daily Weather Conditions: A.M. mid 40, pcldy ne wind

P.M. mid 40s, p sunny, ne winds

Recorded By: Erik C. Corbin 4/19/07 QA Checked By: 6/14/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: RQL-MW7 Ramsdell Quarry

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	11:22	0.6 L	9L	5.93	6.40	9.90	12.74	55.00	
4/16/2007	11:25	0.6 L	9.60	6.14	6.40	1.65	12.37	50.20	
4/16/2007	11:28	0.6 L	10.20	6.50	6.10	1.65	12.80	47.40	
4/16/2007	11:31	0.6 L	10.80	6.52	6.70	1.65	12.38	35.40	
4/16/2007	11:34	0.6 L	11.40	6.56	6.90	1.65	12.40	28.90	
4/16/2007	11:37	0.6L	12L						

Recorded By: Erik C. Corbin 4/16/07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Erik Corbin

Narrative (include time and location):

Arrive at RQL MW-7 at 11:10. Visual inspection of well - looked fine. Took water level measurement. Began purging and taking water quality measurements. Continuously measured WL, Less than 0.15 drawdown. Stabalized. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, and metals (filtered) at 11:35. FWGRQLmw-007C-0441-GW and -GF, MS and MSD also collected at this well. Finished sampling at 13:05. Decon equipment and clean up area. Pack up truck and leave site at 13:30.

Daily Weather Conditions: A.M. Cold hi 30- low 40, cloudy

P.M. Cldy 40s, wind gusts

Recorded By: Erik C. Corbin 4/16/07 QA Checked By: [signature] 6/15/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: RQL MW 8 Ramsdell Quarry

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	1041	1.2 L	1.2 L	6.11	7.16	0.92	1.21	54.50	WL= 3.73
4/16/2007	1043	1.2 L	2.4 L	6.17	7.05	0.95	0.79	30.40	
4/16/2007	1046	1.2 L	3.6 L	6.21	7.11	0.99	0.62	20.80	
4/16/2007	1049	1.2 L	4.8 L	6.23	7.16	1.02	0.54	16.00	
4/16/2007	1052	1.2 L	6 L	6.24	7.19	1.03	0.44	14.80	
4/16/2007	1055	1.2 L	7.2 L	6.26	7.11	1.04	0.37	12.70	
4/16/2007	1059	1.2 L	8.4 L	6.27	7.16	1.05	0.31	12.70	
4/16/2007	1102	1.2 L	9.6 L	6.27	7.27	1.05	0.28	12.80	
4/16/2007	1105	1.2 L	10.8 L	6.28	7.13	1.06	0.25	12.50	
4/16/2007	1108	1.2 L	12 L	6.28	7.12	1.06	0.22	12.70	

Recorded By: Rick Spaw 4-16-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

James McDaniel

Robert (Zeke) Secore

Narrative (include time and location):

Arrive at RQL MW - 8: 10:15, CHECK WATER LEVEL 3.73, CONTINUOUSLY CHECK WL FOR DROWNDOWN. begin purge at 10:35, CONTROLLER SETTINGS- REFILL- 12, DISCHARGE 3, AIR THROTTLE- 50FT, SAMPLE TIME 1115 for FWGRQLmw-008C-0422-GW AND GF for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLING 1200, DECON PUMP 1203, LEAVE WELL, 1215

Daily Weather Conditions: A.M. cold 40, cloudy, windy

P.M.

Recorded By: Robert Secore 4-16-07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: Ramsdell Quarry RQL-mw009

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	1150	.4l/m	1.5L	5.55	7.29	2.00	18.70	120.00	
4/16/2007	1153	.275l/m		5.99	7.43	5.00	18.80	91.90	
4/16/2007	1156	.825L		5.95	7.45	4.00	19.00	54.40	
4/16/2007	1200	.825L		5.98	7.28	5.00	19.00	40.80	
			4 L						

Recorded By: 4/16/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Colleen Lear Dan Jelinek

Narrative (include time and location):

Set up at RQLmw-009, area surrounded by water, Monitor wl continuously, drawdown insignificant, begin purge 1145 , sample at 1210 fwgrql-mw009c-0443-gw, and -gf, dup at 1225 as fwgrqlmw-dup1-0447-gw and gf , split 1235 as fwgrql-mw009c-0446S-gw and gf for VOC, SVOS, Pest, PCB, Explo, Cyanide, Propellants, and Metals (Field Filtered), complete at well 1320. Decon equipment. Set up at 3 cycles per minute, approximately 11 / 5 discharge

Daily Weather Conditions: A.M. Cloudy mid 30s, windy w/ high gusts

P.M.

Recorded By: Colleen Lear 4/16/07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: WBG MW-006 WINKLEPECK BURNING GROUNDS

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	919	0.460L/m	1.38L	6.13	8.79	0.48	2.28	267.00	WL=5.14
4/18/2007	922		2.76 L	6.50	8.74	0.48	0.49	211.00	
4/18/2007	925		4.14 L	6.71	8.74	0.48	0.31	164.00	
4/18/2007	928		5.52 L	6.86	9.04	0.48	0.25	131.00	
4/18/2007	931		6.9 L	7.00	8.88	0.48	0.95	103.00	
4/18/2007	934		8.1 L	7.08	8.93	0.48	1.00	104.00	SOME AIR IN WATER TUBING
4/18/2007	941		9.3 L	7.18	8.73	0.48	1.26	239.00	
4/18/2007	944		10.5 L	7.21	8.73	0.48	1.32	215.00	
4/18/2007	947		11.7 L	7.25	8.74	0.48	1.40	191.00	WL= 5.21

Recorded By: Rick Spence 4-18-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT WELL WBG MW-006 AT 830, TRUCK STUCK IN MUD NEAR WELL, BEGIN PURGE AT 910, CONTOLLER SET AT RECHARGE 9 AND DISCHARGE 6, AIR THROTTLE AT 180 FT, THIS WELL REQUIRES MSMSD DUPLICATES TO BE TAKEN, THREE SAMPLE SETS TOTAL, SAMPLE AT 955, FWGWBGmw-006c-0438-GW and GF, FWGWBGmw-006c-0438MSMSD-GW and GF, END SAMPLING for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED) AT 1115, DECON, LEAVE WELL AT 1124.

Daily Weather Conditions: A.M. _____

P.M. _____

Recorded By: Robert Secore 4-18-07 QA Checked By: _____

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: Winklepeck burning grounds wbg-007

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	845	.5L	1ml/m	5.45	8.91	4.52	15.46	999.00	
4/18/2007	849	0.30		5.87	9.20	4.84	7.49	960.00	high turb cloudy brown
4/18/2007	852	0.30		6.13	9.24	4.83	6.62	989.00	
4/18/2007	855	0.30		6.40	9.14	4.74	8.67	999.00	high turb cloudy brown
4/18/2007	858	0.30		6.52	8.98	4.77	5.04	999.00	high turb cloudy brown
4/18/2007	901	0.30		6.64	9.04	4.74	2.94	989.00	high turb cloudy brown
4/18/2007	0905	0.40		6.74	9.30	4.72	5.54	997.00	high turb cloudy brown
4/18/2007	0908	0.3L		6.75	9.29	4.71	12.08	811.00	
			3L						

Recorded By: [signature] 4/18/07 (Signature and Date)

QA Check By: [signature] 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Nancy Clouse Colleen Lear

Narrative (include time and location):

set up at WBG007 well 0840, check water level, purge at 845, continuously check wl, 0.16 drawdown, stabalize at 0908, sample at 920 fwgwbgmw-007c-0439-gw and gf for voc, svoc, pest, pcb, explo, propellants, cyanide, and metals field filter finish at 1040. decon equipment

Daily Weather Conditions: A.M. cloudy 40s

P.M.

Recorded By: Colleen Lear CL 4/18/07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: WBG 009 Wincklepeck Burning Grounds

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/18/2007	08:57	0.1 L/M	.2L	5.68	8.50	0.47	10.34	0.00	Water is clear
4/18/2007	09:00	0.1 L/M	.5L	5.73	8.30	0.35	10.12	6.00	
4/18/2007	09:03	0.1 L/M	.8L	5.85	8.40	0.33	10.00	5.00	
4/18/2007	09:06	0.1 L/M	1.1L	5.89	7.90	0.32	10.16	11.00	clear

Recorded By: Erik C. Corbin 4/18/07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/18/2007 ☐ Su ☐ M ☐ Tu ☒ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Aaron Roski, Erik Corbin

Narrative (include time and location):

Arrive at WBG 009 at 08:35. Visual inspection of well - looked fine. Took water level measurement - 10.1. Began purging and taking water quality measurements at 08:45. Continuously measured WL, Drawdown 0.3. Had to purge at extremely low purge volume to avoid significant well draw down. 10.48 water level, slow recharge. Started sampling well for VOCs, SVOCs, Pest, PCBs, EXP, Props, CN, and metals (filtered) at 09:08. FWGWBGmw-009C-0440-GW and -GF, QA split FWGWBGmw-009C-0450S-GW and -GFand field duplicate FWGWBGmw-Dup3-0451-GW and -GF also collected at this well. Finished sampling at 12:00. Decon equipment and clean up area. Pack up truck and leave site at 12:15.

Daily Weather Conditions: A.M. cold, 40, NE Wind

P.M. Cldy 40s

Recorded By: Erik C. Corbin 4/18/07 QA Checked By: [signature] 6/15/07

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: da2-107 detonation demo area 2

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	1130	.4l/m	.25L	7.25	8.00	5.93	10.90	39.30	
4/17/2007	1134	1.6L	2L	7.24	8.05	5.93	11.33	29.10	
4/17/2007	1137	1.2l	3.20	7.20	7.99	5.96	13.21	13.10	clear
		.3L	3.5L						

Recorded By: 4/17/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Dan Jelinek Colleen Lear

Narrative (include time and location):

Set up at the DA2-107 well 1123, check water level, purge well at 1133, Continuously monitor water level, little to no drawdown, Stabalized at 1137 , Sampled at 1145 for VOC, SVOCs, Pest, PCB, Explo, Cyanide, Propellants, and Metals (Field Filtered), seTtings at cpm4 11.5 refill 3.5 dischargeapprox 70 ft air throttle. finished at 1215 decon FWGDA2mw-DET1bR-0437-GW and -GF

Daily Weather Conditions: A.M. cloudy, damp, 40s

P.M. cloudy, 40s

Recorded By: Colleen Lear 4/17 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: det-4 detonation area 2

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/16/2007	1615	1L	1L	6.61	8.43	8.60	15.49	54.80	
4/16/2007	1620	.5L	1.5L	6.76	7.97	8.44	19.00	168.20	cloudy, black flakes, suspended seds
4/16/2007	1625	0l	1.5l	NA	7.82	NA	NA	NA	Bailed Dry, NA/insufficient water

Recorded By: 4/16/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/16/2007 ☐ Su ☒ M ☐ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Dan Jelinek Colleen Lear

Narrative (include time and location):

Bailed DET mw4 well 4-16-07start 1610 end 1625 as it was bailed dry, decon equipment

Daily Weather Conditions: A.M.

P.M. cldy, windy gusts, 30s, 4-16-07

Recorded By: Colleen Lear CL 4/16/07 QA Checked By:

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Dan Jelinek Colleen Lear

Narrative (include time and location):

Previously bailed dry DETmw4 on 4-16 and waited recharge. Recharging. Sampled 4-17-07 set up start sample 910 sample time 920, dry, come back 1000, 1030, 1100, 1145 and 1220 to Sample at minimum volumes 1l metals (filtered), 250 ml cyanide, 3 40 ml voc, 1l svoc, 1l pest, 1l pcb,1l explosiyes, 1 l nitroguanine, 1l nitrocellulose, 1L extra Misc/Svoc finished at 1230, decon equipment FWGDETmw-4bR-0445-GW and -GF time set at 0920 for all samples.

Daily Weather Conditions: A.M. cldy NW, 40s 4-17-07

P.M.

Recorded By: Colleen Lear 4/17/07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: DET3 Demo Area 2

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	935	.4l/m	1L	5.78	8.32	6.78	17.80	987.00	orange high turb, opaque
4/17/2007	939		2.60	6.20	8.40	6.85	16.50	689.00	orange high turb
4/17/2007	942	1.2L	3.80	6.53	8.37	6.84	15.45	367.00	orange tint, high turb
4/17/2007	945	1.2L	5L	6.65	8.35	6.83	14.32	517.00	
4/17/2007	948	1.20	6.20	6.73	8.43	6.83	13.23	149.00	
4/17/2007	951		7.5L	6.82	8.38	6.83	12.45	79.30	orange tinted
			7.75L						

Recorded By: 4/17/07 (Signature and Date)

QA Check By: 5/25/07 (Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

Dan Jelinek

Colleen Lear

Narrative (include time and location):

Set up at the det 2 AREA MW3 well (DETmw-3) 925, check water level, purge well at 935, continuously check wl, draw down less than 0.30. Stabalized at 0951, Sampled at 1010 for VOC, SVOCs, Pest, PCB, Explo, Cyanide, Propellants, and Metals (Field Filtered), settings of cpm4 11 refill 4 dischargeapprox 70 ft air throttle, finished at 1100 then decon, sample id is FWGDETmw3bR-0444-GW and -GF.

Daily Weather Conditions: A.M. DAMP, CLDY NW WIND 40S

P.M. CLDY 40S

Recorded By: Colleen Lear 4/17

QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: CBP MW-006 CENTRAL BURN PIT

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	1657	1.44 L	.48l/M	7.44	9.23	0.61	0.81	5999.00	WATER VERY CLOUDY
4/17/2007	1700		2.88l	7.33	9.19	0.61	0.52	5999.00	WL= 5.72
4/17/2007	1703			7.31	8.84	0.61	0.60	2000.00	
4/17/2007	1706			7.29	8.92	0.61	0.56	5999.00	
4/17/2007	1709			7.27	9.08	0.61	0.51	5999.00	
4/17/2007	1712	1.44l	8.64l	7.27	9.16	0.61	0.46	5999.00	
4/17/2007	1715			7.27	9.15	0.60	0.48	2000.00	
4/17/2007	1718	1.44l		7.27	9.16	0.60	0.48	2000.00	
4/17/2007	1721	1.44l	12.9l	7.28	9.17	0.60	0.49	2000.00	

Recorded By: [signature] 4-17-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

JAMES MCDANIEL

ROBERT (ZEKE) SECORE

Narrative (include time and location):

ARRIVE AT CBP MW-006 AT 1636, INSTALLED NEW TUBING INTO WELL, BEGIN PURGE AT 1640 MONITOR WLs(5.72), CONTOLLER SET AT RECHARGE 9 AND DISCHARGE 6, AIR THROTTLE AT 50FT , SAMPLE AT 1725, FWGCBPmw-006c-0435-gw AND gf for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED), END SAMPLI NG AT 1754, LEAVE WELL AT 1808

Daily Weather Conditions: A.M. DAMP, CLDY, nw WIND, 40S

P.M. CLDY 40S

Recorded By: Robert Secore 4-17-07 QA Checked By:

WELL PURGE RECORD

PROJECT NAME: Facility-wide Groundwater Monitoring Program

Well Number and Location: CBP MW-007 CENTRAL BURN PIT

Date	Time	Gallons Removed	Total Gallons Removed	pH (Standard Units)	Temp (°C	Specific Conductivity (s/cm)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Comments
4/17/2007	1324	.42 L	.42 L	6.62	11.24	1.97	1.31	38.20	falling water level
4/17/2007	1327		.84 L	6.78	11.42	1.95	1.25	38.30	.14L/M
4/17/2007	1330		1.26 L	6.84	11.45	1.95	1.25	32.90	
4/17/2007	1333		1.68 L	6.87	11.51	1.96	1.23	32.10	
4/17/2007	1336		2.10 L	6.90	11.36	1.95	1.24	25.40	
4/17/2007	1339		2.62 L	6.91	11.46	1.95	1.22	24.00	
4/17/2007	1342	.42L	2.94 L	6.92	12.03	1.97	1.18	24.00	
4/17/2007	1345	.42L	3.36 L	6.92	11.77	1.99	1.16	24.60	

Recorded By: Robert Spence 4-17-07
(Signature and Date)

QA Check By: [signature] 6/15/07
(Signature and Date)

TASK TEAM ACTIVITY LOG SHEET

PROJECT NAME: RVAAP Facility-Wide Groundwater Monitoring Program

Date: 4/17/2007 ☐ Su ☐ M ☒ Tu ☐ W ☐ Th ☐ F ☐ Sa Page 1 of 1

Team Members:

ROBERT (ZEKE) SECORE

JAMES MCDANIEL

Narrative (include time and location):

ARRIVE AT CBP MW-007 AT 1246, BEGIN PURGE AT 1310 CONTINUOUSLY MONITOR WL (COMPRESSOR ENGINE TROUBLE), COMPRESSOR SET AT 13 RECHARGE AND 2 DISCHARGE, AIR THROTTLE AT 110 FT, SAMPLE FWGCBPmw-007C-0436-gw AND gf for VOC, SVOC, PEST, PCB, EXPLO, CYANIDE, PROPELLANTS, METAL (FIELD FILTERED) AT 1350, END SAMPLING AT 1524, LEAVE WELL AT 1540.

Daily Weather Conditions: A.M. CLDY DAMP 40S

P.M. 40S

Recorded By: [signature] 4-17-07 QA Checked By: [signature]

Date: 16-Apr

S	M	T	W	T	F	S
	X					

DAILY QUALITY CONTROL REPORT

COE Project Manager: Glen Beckham

Project: Ravenna Army Ammunition Plant Groundwater Monitoring

Job No.: 30240

Contract No.: W912QR-04-D-0036

Weather	Bright Sun	Clear	Over-Cast	Rain	Snow
			X		
Temp	**To 32**	**32-50**	**50-70**	**70-85**	**85 up**
		X			
Wind	**Still**	**Moder**	**High**	**Report No.**	
			X		
Humidity	**Dry**	**Moder**	**Humid**	041607	
		X			

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc. & Los Alamos Technical Associates

EQUIPMENT ON SITE:

Three water quality meters (2 Horiba-U22's and 1 MicroPurge Basics); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: LL3mw-328, RQLmw-009, LL1mw-78, RQLmw-008, LL1mw-80, LL4mw-199, LL1mw-83, and RQLmw-007. A field duplicate and QA split sample were collected from RQLmw-009. Extra volume was collected from RQLmw-007 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #1.

Project Ravenna Army Ammunition Plant Groundwater Monitorin | Report No. 041607

Job No. 30240 | Date: 4/16/2007

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All employees to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and employees were made aware of the location of eyewash stations. One vehicle was equipped with a Facility-wide radio, and each employees had a cellular phone.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

Sample FWGLL3mw-238C-0425-GW/GF was mis-identified on the COC as FWGLL3mw-238C-0021-GW/GF. This error was caught after samples were submitted, but the laboratory was notified to log the sample appropriately. QA Split sample FWGRQLmw-009-0446S-GW/GF was mis-identifed on the COC as FWGRQLmw-007-0446S-GW/GF. Field log sheets verify the QA split was in fact collected from RQLmw-009.

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

Expectations for tomorrow are to safely and correctly collect samples from a minimum of 12 wells.

By: Erik C. Corbin 4/16/07 (Signature and date) QA Checked by: J. M. Miller 5/31/07 (Signature and date)

Date: 17-Apr

S	M	T	W	T	F	S
		X				

DAILY QUALITY CONTROL REPORT

COE Project Manager: Glen Beckham

Project: Ravenna Army Ammunition Plant Groundwater Monitoring

Job No.: 30240

Contract No.: W912QR-04-D-0036

Weather	Bright Sun	Clear	Over-Cast	Rain	Snow
			X		
Temp	To 32	32-50	50-70	70-85	85 up
		X			
Wind	Still	Moder	High	Report No.	
		X			
Humidity	Dry	Moder	Humid	041707	
			X		

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc. & Los Alamos Technical Associates

EQUIPMENT ON SITE:

Three water quality meters (2 Horiba-U22's and 1 MicroPurge Basics); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: LL11mw-007, LL11mw-002, LL4mw-198, LL3mw-242, CBPmw-007, DA2-107, LL2mw-263, DET-3, DET-4, LL2mw-262, LL2mw-059, and CBPmw-006. A field duplicate and QA split sample were collected from LL11mw-002. Extra volume was collected from LL11mw-007 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #2.

Project Ravenna Army Ammunition Plant Groundwater Monitorin Report No. 041707

Job No. 30240 Date: 4/17/2007

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All employees to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and employees were made aware of the location of eyewash stations. One vehicle was equipped with a Facility-wide radio, and each employees had a cellular phone.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

Sample FWGLL3mw-242C-0426-GW/GF was mis-identified on the COC as FWGLL3mw-240C-0426-GW/GF. This error was caught after samples were submitted, but field log sheets verify the QA split was in fact collected from LL3mw-242.

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

Expectations for tomorrow are to safely and correctly collect samples from a minimum of 12 wells.

By: Erik C. Corbin 4/17/07
(Signature and date)

QA Checked by: [signature] 5/31/07
(Signature and date)

Date: 18-Apr

S	M	T	W	T	F	S
			X			

DAILY QUALITY CONTROL REPORT

COE Project Manager Glen Beckham

Project Ravenna Army Ammunition Plant Groundwater Monitoring

Job No. 30240

Contract No. W912QR-04-D-0036

Weather	Bright Sun	Clear	Over-Cast	Rain	Snow
			X		
Temp	To 32	32-50	50-70	70-85	85 up
		x			
Wind	Still	Moder	High	Report No.	
		X			
Humidity	Dry	Moder	Humid	041807	
		X			

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc. & Los Alamos Technical Associates

EQUIPMENT ON SITE:

Three water quality meters (2 Horiba-U22's and 1 MicroPurge Basics); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: WBGmw-007, BKGmw-020, WBGmw-006, BKGmw-019, BKGmw-005, BKGmw-012, BKGmw-013, WBGmw-009, BKGmw-018, BKGmw-016, BKGmw-006, and BKGmw-015. A field duplicate and QA split sample were collected from WBGmw-009. Extra volume was collected from WBGmw-006 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #3.

Project Ravenna Army Ammunition Plant Groundwater Monitorin Report No. 041807

Job No. 30240 Date: 4/18/2007

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All employees to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and employees were made aware of the location of eyewash stations. One vehicle was equipped with a Facility-wide radio, and each employees had a cellular phone.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

None

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

Expectations for tomorrow are to safely and correctly collect remaining samples from the April 2007 RVAAP GWM event.

By: Erik C. Corbin 4/18/07 QA Checked by: M. Thiele 5/31/07

(Signature and date) (Signature and date)

Date: 19-Apr

S	M	T	W	T	F	S
				X		

DAILY QUALITY CONTROL REPORT

COE Project Manager: Glen Beckham

Project: Ravenna Army Ammunition Plant Groundwater Monitoring

Job No.: 30240

Contract No.: W912QR-04-D-0036

Weather	Bright Sun	Clear X	Over-Cast	Rain	Snow
Temp	To 32	32-50 X	50-70	70-85	85 up
Wind	Still	Moder X	High	Report No.	
Humidity	Dry	Moder X	Humid	041907	

SUB-CONTRACTORS ON SITE:

Environmental Quality Management, Inc. & Los Alamos Technical Associates

EQUIPMENT ON SITE:

Three water quality meters (2 Horiba-U22's and 1 MicroPurge Basics); One multigas detector (MSA); Four bladder pumps w/ associated controllers and compressors.

WORK PERFORMED (INCLUDING SAMPLING):

Samples were collected at the following locations: LL12mw-183, LL12mw-182, BKGmw-008, BKGmw-017, BKGmw-021, BKGmw-004, LL12mw-186, LL12mw-153, and BKGmw-010. Field duplicates and QA split samples were collected from LL12mw-182 and BKGmw-004. Extra volume was collected from LL12mw-183 (NO_3/NO_2 only), BKGmw-017, and BKGmw-021 to be designated for matrix spike/matrix spike duplicate analysis at the laboratory. Additionally, a field rinsate was collected by Team #2.

Project Ravenna Army Ammunition Plant Groundwater Monitorin Report No. 041907

Job No. 30240 Date: 4/19/2007

QUALITY CONTROL ACTIVITIES (INCLUDING FIELD CALIBRATIONS):

All field equipment was calibrated prior to mobilizing to the field. Water quality meters were calibrated with AutoCal Solution - certified values are: Conductivity - 4.49 mS/cm; Turbidity - 0 NTU; pH - 4.0 and 7.0 su. Multigas detector calibrated with Zero Air Standard and 100 ppm Isobutylene. All field equipment was within calibration criteria.

HEALTH AND SAFETY LEVELS AND ACTIVITIES:

Health & Safety briefing conducted by Colleen Lear prior to mobilizing to the field. All employees to don modified Level 4 PPE (i.e. steel-toed shoes, safety glasses, and nitrile gloves). First Aid kits were included in each vehicle, and employees were made aware of the location of eyewash stations. One vehicle was equipped with a Facility-wide radio, and each employees had a cellular phone.

PROBLEMS ENCOUNTERED/CORRECTIVE ACTION (S) TAKEN:

None

SPECIAL NOTES:

NA

TOMORROWS EXPECTATIONS:

None

By: Erik C. Corbin 4/19/07
(Signature and date)

QA Checked by: [signature] 5/31/07
(Signature and date)

RVAAP: USACE

BOOK # 1

"Rite in the Rain"®

ALL-WEATHER

ENVIRONMENTAL

No. 550

April 2007—

"Rite in the Rain"®
ALL-WEATHER WRITING PAPER

ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

Name Environmental Quality Mgt. Inc

Address 1800 Carillon Blvd.
Cincinnati OH 45240

Phone 513 8257500

Project RVAAP: USACE Groundwater

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book:

Page Pattern		Cover Options	
Left Page	Right Page	Polydura Cover	Fabrikoid Cover
Columnar	1/4" Grid	Item No. 550	Item No. 550F

CONTENTS

Reference Page Index

Location RVAAP Date 4/12/07

Project / Client USACE Qtrly April Cldy 40s Windy

C. Lear A. Roski J Miller, R. Secore, J McDaniel

1100 EQM / LATA arrive onsite.
J Miller A Roski, C. Lear
1105 1037 Bldg to get keys.
Unload at 1036 / H+S briefing
1130 Leave for Ramsdall Quarry (RQL)
1210 Begin WL at RQL ~~w/ MS/MSD/SPLIT/DUP~~ CAL 4/13/07
1240 Begin WL at (LL1) Loadline 1
1300 Seperate to LL1 + LL2, 2 crews
1355 2 crews travel to LL3 + LL12
1405 Begin LL3 + LL12
1450 Head to LL4 and Winklepeck
Winklepeck not unlocked as per Major Mead, wait on escort begin LL4
1505 Start Winklepeck.
1527 Finish Winklepeck area ~~for~~ DA/DET Area.
Notify Pika to which day we are to be 4/12 ~~here~~ here
1600 Head to CBP + LL11.
LL1 need well cap @ LL1-MW2.
1625 leave CBP LL11 to capture backgrounds
1700 CBP - Truck Stuck @ CBP-MW06.
1730 Aquire chains to try + pull out truck.
1800 Leave RVAAP left truck stuck
1830 Log off —— C. Lear 4/12/07

4/13 CAL

Location RVAAP Date 4/13/07

Project / Client USACE Qtrly April Cldy 40s

C. Lear, A Roski, J Miller, R Secore, J McDaniel

0730 EQM / LATA arrive onsite to try and get LATA hooked up with Frank the maintenance guy to help with the truck. Leave LATA to truck, EQM
0750 to begin WLs around Site - EQM
LATA undig truck.
Tubing at BKG MW017 ~~loose~~ hold
0907 String when taking cap off.
0917 BKG-MW019 needs or screwdriver to pry off cap
0935 Complete WL head to 1036 to
~~0945~~ stage equipment.
~~1015~~ 1036 BLDG to stage equipment
DRUM # EQM 2007 - 1 FNGWMP RINSE / DECON Water AT 1036
1010 Go to CBP w/ maintenance to set up LATA for truck removal.
1028 Removal start.
1043 Truck out head to 1036. Unload.
1110 To PIKA / MKM Office.
1115 Log Off Site EQM + LATA

C. Lear 4/13/07

Location RVAAP Date 4/16/07
Project / Client USACE Qtrly April Cldy 40s wind Gust
LEAR/ROSKI/CORBIN/JELINEK SECORE/McDANIEL

0730 ARRIVE UNLOAD - 26 KWH.
0750 CALIBRATION & DAILY SETUP
0900 LOAD FOR RQL / LL1
0920 H&S briefing
0940 leave to RQL for MS/MSD/SPLIT/DUP RQL-008, -009, -007. 3 crews.
Complete samples for environmental parent, MS/MSD, duplicate @ -009, and split at -009.
1320 AR/EC to LL4, RS/JM to LL1, DJ/CL to LL3. Decon at each well
LL1 complete -078, -080, -083
LL4 complete -199
LL3 Complete -238
1600 CL to DA2 for purge of DET4. (BD)
1630 CL TO LL3/LL1/LL4 to pick up Samples for 1036 delivery. Decon Setup coolers for delivery. Equip Rinse
1830 Send Samples - Pickup by STL. Organization / Clean up
1930 Leave Site.

[signature] 4/16/07

Location RVAAP Date 4/17/07
Project / Client USACE PCldy 40s
LEAR/ROSKI/CORBIN/JELINEK Secore/McDaniel

0705 ARRIVE AT BLDG 1036 UNLOAD/ORGANIZE
0800 H&S briefing Calibrations
0840 Leave to separate sites.
DA2/LL11 · EJM LATA LL3/LL4/CBP for purge sampling events
1035 Confirmed 0830 4/18/07 w/ Major Mudd for Winklepeck.
1230 Finish DA2 Area. Pickup/Drop Coolers at 1036. Call Lou for LL2 Set up entrance. Finish LL3/LL4 for LATA.
1310 Leave 1036 for LL2's trailer & Pika for H&S to get into site.
1330 LL2 signed in with Pika to complete inside fence area.
~~1600~~ 1700 OFF LL2 and continue CBP + LL11.
1730 Pickup Ice, load/pack Samples for fedexp. Log off LL11. MS/MSD/SPLIT/DUP collected.
1800 GPL Samples to Fed exp, continue CBP + outside LL2-059 Continue Equip Rinse. All samples for to STL w/ pickup Decon
2000 Log off LL2-059. Decon at each well.
2030 Leave Site

[signature] 4/17/07

Location RVAAP Date 4-18-07

Project / Client USACE Qtrly April 40s-50s

LEAR/ROSKI/CORBIN/CLOUSE/JELINEK SECORE/McDANIEL

0730	ARRIVE UNLOAD, ORGANIZE FOR DAY CALIBRATION + DAILY SETUP
0800	H+S briefing Leave for WBG all crews. Completed WBG wells including MS/MSD/Split/Dup (WBG-009 slow) Seperate crews to Background areas
	Data completed Equipment Rinse.
1220	D Jelinek logged off and crews Continue on to Background wells
1730	EQ crews off to Bldg 1036 for packing/organization of samples
1820	Samples to STC pick up Continue to finish samples for day.
1930	All crews in
2000	Log off site

4/18/07

Location RVAAP Date 4-19-07 7

Project / Client USACE Qtrly April P.Sunny 40-50s

LEAR/ROSKI/CORBIN/CLOUSE SECORE/McDANIEL

0700	Arrive unload organize for day Calibration + Daily Setup
0745	H+S briefing. LATA leave for LL12.
0800	leave for LL12 and BKG wells as seperate crews. LL12 and BKG MS/MSD/SPLIT/DUP
1350	LL12 completed for EQM
1530	EQ Team 2 complete. 1036 for Sample organization
1645	All crews in all wells Sampled acc MS/MSD/split and dups collected.
1800	Samples picked up by STC Fed Ex GPL coolers. 26-45 Kilometers recorded from BLDG 1036
1815	Log off

4/19/07

8

Location _____ Date _____

Project / Client _____

Intentionally Blank

9

Location RVAAP Date 4-19-07

Project / Client USACE

Drum Log April GW Monitoring

Drum ID	Area
EQM 2007-1	Decon Waters
EQM 2007-2	Ramsdell Quarry
EQM 2007-3	LL 2
EQM 2007-4	LL 3
EQM 2007-5	LL 4
EQM 2007-6	LL 11
EQM 2007-7	LL 12
EQM 2007-8	Winklepeck
EQM 2007-9	Background Wells
EQM 2007-10	Detonation Area 2
EQM 2007-11	Central Burn Area
EQM 2007-12	LL 1

Collected April 16-19 2007

Location RVAAP Date 5/31/07

Project / Client USACE

IDW Sampling

1030 Arrived on-site began sampling the drums. Purge water composited together (from drums 2-12). Took ~4L from each. Also took sample from decon water.

1145 Sample FW6-IDW-NW Decon April 2007 from decon drum

1155 Sample FW6-IDW-NW Purge April 2007 from purge water drums

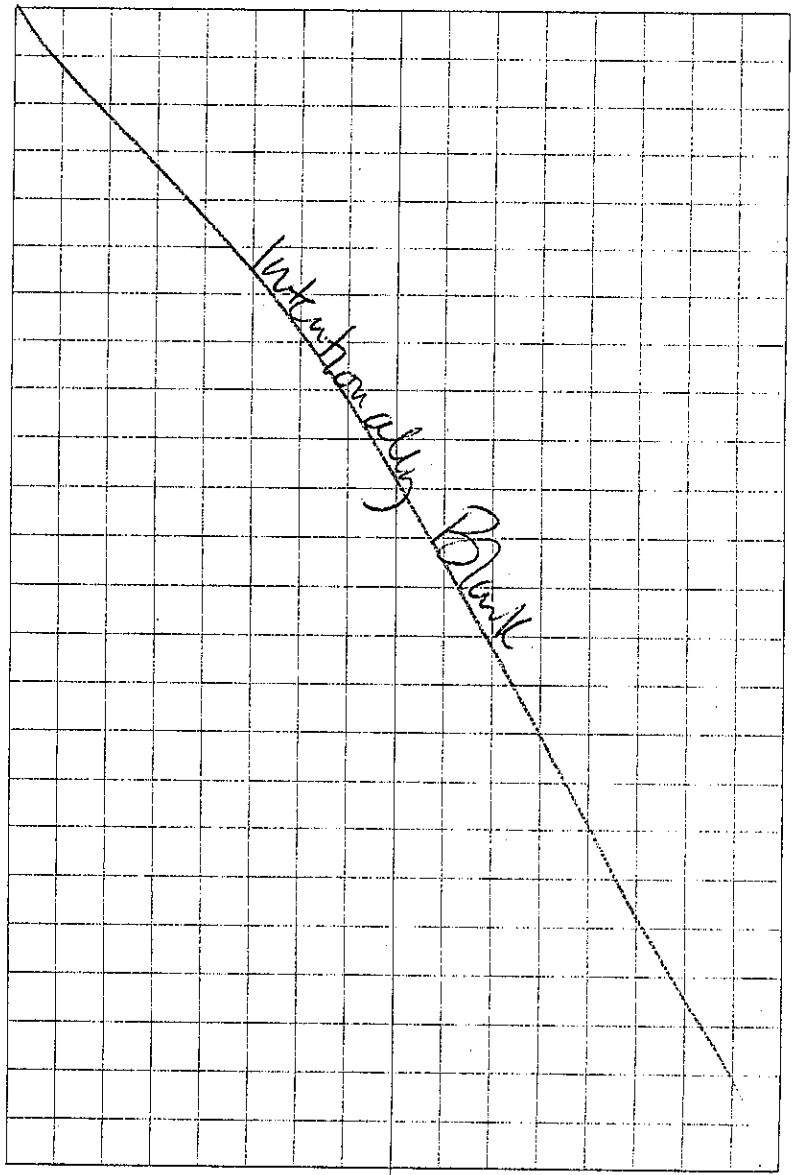
Sampled for:
pH
Ignitability
TCLP metals + Hg
TCLP SVOCs
TCLP VOCs
Reactivity (Cyanide / Sulfide)
Collected TB

5/31/07

1225 Left site

Location Date

Project / Client



ENVIRONMENTAL QUALITY MANAGEMENT, INC.

TECHNICAL CHANGE ORDER

To: V. Deppisch

Subject: RVAAP April Sampling Event

File: Contract Number W912QR-04-D-0036

Date: November 12, 2007

cc: E. Mohr - OEPA
T. Fisher – OEPA
R. Hockett - USACE

Five quality assurance (QA) samples were collected for the April 2007 sampling event from the same wells from which the duplicate samples were collected. These wells are:

- RQLmw-009
- WBGmw-009
- LL12mw-182
- LL11mw-002
- BKGmw-004

Laboratory analyses on all the QA samples were performed by GPL, LLC of Frederick, Maryland. A transcription error on the chain–of-custody to GPL identified the split sample from RGLmw-009 as RQLmw-007. The split was actually taken from RQLmw-009 and the bottles were all correctly labeled as coming from 009 and not 007.

Corrective Action

EQM will ensure that all future chain-of-custodies will undergo a QC check by EQM's Field Sample Manager after completion of the chain by the personnel actually collecting the sample.

APPENDIX B

DATA VERIFICATION REPORTS/LABORATORY DATA SHEETS

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D200101
COC#: 268911, 268909, 268912, 268914

Date: November 15, 2007
Revision: 2

Data Validator: Heather Medley/Environmental Quality Management, Inc. (EQM, Inc.)

QA/QC Summary

On April 18 and April 19, 2007 the following samples were collected from groundwater-monitoring wells at Ravenna Army Ammunition Plant and analyzed as part of SDG A7D200101.

Field Sample ID	Analytes	Method
FWBKGmw-015c-0412-GW	VOCs	SW846 8260B
FWGTrip Team10418	SVOCs	SW846 8270C
FWGBKGmw-010c-0409-GW	Pesticides	SW846 8081A
FWGTrip-Team1	PCBs	SW846 8082
FWGBKGmw-017c-0414-GW	Explosives	SW846 8330
FWGBKGmw-021c-0418-GW	Nitroguanidine	SW846 8330 modified
FWGBKGmw-004c-0405-GW	Nitrocellulose	EPA 353.2 modified
FWGBKGmw-DUP2-0449-GW	Cyanide	SW846 9012A
FWGTrip-Team2		
FWGBKGmw-008c-0408-GW		
FWGTrip-Team3		
FWBKGmw-015c-0412-GF	TAL23 Metals	SW846 6010B/6020/7470A
FWGLL12mw-186c-0434-GF		
FWGLL12mw-153c-0431-GF		
FWGBKGmw-010c-0409-GF		
FWGBKGmw-017c-0414-GF		
FWGBKGmw-021c-0418-GF		
FWGBKGmw-004c-0405-GF		
FWGBKGmw-DUP2-0449-GF		
FWGLL12mw-183c-0433-GF		
FWGLL12mw-182c-0432-GF		
FWGLL12mw-DUP4-0451-GF		
FWGEQUIPRinse4-0459-GW		
FWGBKGmw-008c-0408-GF		

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D200101
COC#: 268911, 268909, 268912, 268914

Date: November 15, 2007
Revision: 2

Field Sample ID	Analytes	Method
FWGLL12mw-186c-0434-GW	VOCs	SW846 8260B
FWGLL12mw-153c-0431-GW	SVOCs	SW846 8270C
FWGLL12mw-183c-0433-GW	Pesticides	SW846 8081A
FWGLL12mw-182c-0432-GW	PCBs	SW846 8082
FWGLL12mw-DUP4-0451-GW	Explosives	SW846 8330
FWGEQUIPRinse4-0459-GW	Nitroguanidine	SW846 8330 modified
	Nitrocellulose	EPA 353.2 modified
	Cyanide	SW846 9012A
	Nitrate/Nitrite	EPA 353.2

The data presented in this report were evaluated according to the *Final Quality Assurance Project Plan Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant Ravenna, OH, Portage Environmental, September 2004.* The following documents will be used as needed to supplement the project documentation: *Louisville Chemistry Guidelines, USACE, June 2002 version 5, EPA National Functional Guidelines (NFG) for Organic Data Review, EPA-540/R-99-008, October 1999, NFG for Inorganic Data Review, EPA-540/R-04-004, October 2004*, Analytical Methods, and Laboratory Standard Operating Procedures. These objectives represent accuracy and precision performance goals for each analytical method.

In addition to the samples, four trip blanks, one equipment rinse sample, and two field duplicates were collected and analyzed. The coolers were received within acceptable criteria of 0-6°C. Overall, data were acceptable based on the review. Any limitations on the data use are indicated by qualifiers. The completeness objective for the project was 90%. The completeness objective was met for this SDG, 97.8%. Limitations, if any, on the data are indicated with qualifiers detailed below.

Data Verification Summary

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Revision: 2

SUMMARY OF QUALIFICATIONS AND QC OUTLIERS:

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-004c-0405-GF	6010B	Copper	2.7	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Manganese	0.89	J	Results were between the MDL and RL.
		Potassium	653	J	
		Nickel	1.9	J	Result was between the MDL and RL; Field duplicate RPD was above criteria
	6020	Iron	53.8	J	Field duplicate RPD was above criteria
		Zinc	5.0	J	Result was between the MDL and RL
FWGBKGmw-004c-0405-GW	8330	2-Nitrotoluene	0.10	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
		Methylene Chloride	0.29	J	Results were between the MDL and RL
	8270C	Benzoic Acid	9.5	J	
		di-n-octyl phthalate	1.2	J	Field duplicate RPD was above criteria
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%
FWGBKGmw-008c-0408-GF	6010B	Copper	2.3	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Barium	5.0	J	Results were between the MDL and RL.
		Manganese	0.27	J	

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-008c-0408-GF	6010B	Potassium	480	J	Results were between the MDL and RL.
	6020	Zinc	3.9	J	
FWGBKGmw-008c-0408-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8081A	Methoxychlor	0.012	J	Result was between the MDL and RL.
	8260B	Acetone	10	R	MRL Checks recovered below 60%
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%
FWGBKGmw-010c-0409-GF	6010B	Copper	3.6	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Potassium	540	J	Results were between the MDL and RL.
	6020	Cadmium	0.14	J	
FWGBKGmw-010c-0409-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8081A	Methoxychlor	0.028	J	Result was between the MDL and RL.
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-015c-0412-GF	6010B	Copper	3.2	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Nickel	3.5	J	Result was between the MDL and RL.
FWGBKGmw-015c-0412-GW	8330	2-Nitrotoluene	0.095	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8081A	Methoxychlor	0.061	J	Result was between the MDL and RL.
	8260B	Acetone	10	R	MRL Checks recovered below 60%
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Bis(2-ethylhexyl)phthalate	1.9	J	Result was between the MDL and RL
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
FWGBKGmw-017c-0414-GF	6010B	Copper	4.5	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Nickel	2.5	J	Result was between the MDL and RL.
	6020	Thallium	0.031	J	Result was between the MDL and RL; lab duplicate RPD was above control limits
FWGBKGmw-017c-0414-GW	8330	PETN	0.34	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-017c-0414-GW	8081A	All analytes	Various	UJ	Surrogate recovered below control limits.
	8260B	Acetone	10	R	MRL Checks recovered below 60%; MS/MSD recovered below control limits
		Bromoform	1.0	UJ	MRL checks recovered below control limits; MS/MSD recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Dibromochloromethane	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%;
	8270C	Benzoic Acid	8.9	J	Result was between the MDL and RL
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%; MS/MSD recovered below control limits
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%
FWGBKGmw-021c-0418-GF	6010B	Copper	2.8	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Potassium	689	J	Results were between the MDL and RL.
	6020	Zinc	6.0	J	
FWGBKGmw-021c-0418-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%; MS/MSD recovered below control limits
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits; MS/MSD recovered below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-021c-0418-GW	8260B	Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Benzoic Acid	8.9	J	Result was between the MDL and RL
		Bis(2-ethylhexyl)phthalate	1.1	J	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%; MS/MSD recovered below control limits; MS/MSD RPD was above control limits
FWGBKGmw-DUP2-0449-GF	6010B	Copper	2.1	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Manganese	0.80	J	Results were between the MDL and RL.
		Potassium	663	J	
	6020	Zinc	5.4	J	
		Aluminum	3.7	J	Result was between the MDL and RL; Field duplicate RPD was above control limits
		Iron	144	J	Field duplicate RPD was above control limits
FWGBKGmw-DUP2-0449-GW	8330	2-Nitrotoluene	0.095	J	Result was between the MDL and RL.
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%;
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
		Methylene Chloride	0.23	J	Results were between the MDL and RL
	8270C	Benzoic Acid	9.1	J	
		Hexachlorocyclopentadiene	10	R	

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Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-DUP2-0449-GW	8270C	Bis(2-ethylhexyl)phthalate	1.9	J	Result was between the MDL and RL. Field Duplicate RPD was above control limits
FWGEQUIPRinse4-0459-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%;
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
		Methylene Chloride	0.28	J	Results were between the MDL and RL.
		Toluene	0.42	J	
	8270C	Hexachlorocyclopentadiene	10	R	LCS recovered below 30%;
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%
	6010B	Copper	2.2	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Calcium	99.5	J	Results were between the MDL and RL.
		Potassium	147	J	
	6020	Zinc	2.3	J	
FWGLL12mw-153c-0431-GF	6010B	Copper	3.1	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Nickel	1.7	J	Results were between the MDL and RL.
	6020	Aluminum	13.3	J	
		Zinc	7.9	J	
FWGLL12mw-153c-0431-GW	8330	2-Nitrotoluene	0.097	J	Result was between the MDL and RL.
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL12mw-153c-0431-GW	8081A	Methoxychlor	0.031	J	Result was between the MDL and RL.
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%;
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Bis(2-ethylhexyl)phthalate	3.0	J	Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%;
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%
FWGLL12mw-182c-0432-GF	6010B	Copper	2.4	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
	6020	Aluminum	14.7	J	Results were between the MDL and RL.
		Zinc	6.1	J	
FWGLL12mw-182c-0432-GW	8330	2-Nitrotoluene	0.10	J	Result was between the MDL and RL.
	353.3 mod	Nitrocellulose	0.15mg/L	J	Result was between the MDL and RL; MS recovered below control limits; MS/MSD RPD was above control limits
	8081A	All analytes	Various	UJ	Surrogate recovered below control limits
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%;
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	

Data Verification Summary

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL12mw-182c-0432-GW	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogate recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	5.0	UJ	
		Benzoic acid	8.3	J	Result was between the MDL and RL; Surrogate recovered below control limits
		Bis(2-ethylhexyl)phthalate	1.4	J	Result was between the MDL and RL; Field duplicate RPD was above control limits
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%;
FWGLL12mw-183c-0433-GF	6010B	Copper	2.8	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
	6020	Aluminum	5.3	J	Results were between the MDL and RL.
		Zinc	5.0	J	
FWGLL12mw-183c-0433-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8081A	Methoxylchlor	0.012	J	Result was between the MDL and RL;
	8260B	Acetone	10	R	MRL Checks recovered below 60%;
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL12mw-183c-0433-GW	8260B	Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits;
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Bis(2-ethylhexyl)phthalate	1.9	J	Result was between the MDL and RL;
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%;
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%
FWGLL12mw-186c-0434-GF	6010B	Copper	3.4	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.
		Cobalt	1.3	J	Results were between the MDL and RL.
		Nickel	3.8	J	
	6020	Aluminum	11.6	J	
		Zinc	6.0	J	
FWGLL12mw-186c-0434-GW	8330	1,3,5-Trinitrobenzene	0.031	J	Results were between the MDL and RL.
		2-Nitrotoluene	0.10	J	
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8081A	Methoxylchlor	0.090	J	Result was between the MDL and RL;
	8260B	Acetone	10	R	MRL Checks recovered below 60%;
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Benzoic Acid	8.5	J	Results were between the MDL and RL;
		Bis(2-ethylhexyl)phthalate	2.0	J	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%;
FWGBKGmw-DUP4-0451-GF	6010B	Copper	2.5	BJ	B = Result was less than the 5x MB and Equipment rinse values; J = Result was between the MDL and RL.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D200101
COC#: 268911, 268909, 268912, 268914

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-DUP4-0451-GF	6020	Aluminum	11.8	J	Results were between the MDL and RL
		Zinc	5.3	J	
FWGBKGmw-DUP4-0451-GW	8330	2-Nitrotoluene	0.098	J	Result was between the MDL and RL.
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS recovered below control limits; MS/MSD RPD was above control limits
	8081A	All analytes EXCEPT methoxychlor	Various	UJ	Surrogate recovered below control limits
		Methoxychlor	0.024	J	Surrogate recovered below control limits; Result was between the MDL and RL; field duplicate RPD was above criteria
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Acetone	10	R	MRL Checks recovered below 60%;
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
	8270C	Benzoic Acid	9.1	J	Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%;
FWGTRIP TEAM 10418	8260B	Acetone	1.2	J	MRL Checks recovered below 60%; Result was between the MDL and RL.
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%;
		Methylene Chloride	0.81	J	Result was between the MDL and RL.
FWGTRIP TEAM 1	8260B	Acetone	10	R	MRL Checks recovered below 60%
		Trans-1,3-Dichloropropene	1.0	R	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D200101
COC#: 268911, 268909, 268912, 268914

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGTRIP TEAM 1	8260B	Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
		Methylene Chloride	0.31	J	Result was between the MDL and RL.
FWGTRIP TEAM 2	8260B	Acetone	10	R	MRL Checks recovered below 60%
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
		Methylene Chloride	0.29	J	Result was between the MDL and RL.
FWGTRIP TEAM 3	8260B	Acetone	10	R	MRL Checks recovered below 60%
		Trans-1,3-Dichloropropene	1.0	R	
		Bromoform	1.0	UJ	MRL checks recovered below control limits;
		Carbon Disulfide	1.0	UJ	
		Cis-1,3-Dichloropropene	1.0	UJ	
		Dibromochloromethane	1.0	UJ	
		Methylene Chloride	0.34	J	Result was between the MDL and RL.

J = Analyte concentration was considered an estimated value.
MDL = Method Detection Limit
RL = reporting limit
MB = Method Blank
MRL = Method Reporting Limit
MS/MSD = Matrix Spike/Matrix Spike Duplicate
%R = percent recovery
RPD = Relative Percent Difference
U = Analyte was not detected.
R = non-usable
CCB = Continuing calibration blank
ER = Equipment Rinse
B = Blank contamination
LCS = Laboratory Control Sample
%D = percent difference
UJ = Analyte was not detected above the MDL, but the MDL was considered estimated.
BJ = Analyte was considered not detected above the MDL due to blank contamination, but the concentration was considered estimated.

Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW.
Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D200101 **Date:** November 15, 2007
COC#: 268911, 268909, 268912, 268914 **Revision:** 2

VOAs - 8260B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Tuning criteria
- Initial Calibration Criteria including SPCC and CCC compounds
- ICV and CCV criteria
- Internal standard area counts and retention times
- Laboratory Control Sample recoveries
- Surrogate recoveries
- The trip blank was free from contamination
- MDL Level Verification criteria
- Field duplicate RPD criteria

MRL/QC checks:

- Opening MRL: Acetone %R was 25.045%, Benzene %R was 141%, and Bromoform %R was 64.24%.
- Closing MRL: Acetone %R was 0%, Carbon Disulfide %R was 61.36%, cis-1,3-dichloropropene %R was 62.7%, trans-1,3-dichloropropene %R was 59%, Dibromochloromethane %R was 66.35%, and Bromoform %R was 54%.
- All acetone results except FGWTRIP Team 10418 were qualified "R". Sample FGWTRIP Team 10418 was qualified "J".
- All bromoform, carbon disulfide, cis-1,3-Dichloropropene, and dibromochloromethane results were qualified "UJ".
- All trans-1,3-dichloropropene results were qualified "R".

Methylene Chloride was detected in the method blank at 0.53; the RL was 2.0. No qualifications were made since the contamination was less than ½ the RL.

Trip team 1 detected Methylene Chloride at 0.31ug/L. Trip team 2 detected methylene chloride at 0.29 ug/L. Trip team 3 detected methylene chloride at 0.34 ug/L. No qualifications were made since the contamination was less than ½ the RL.

The equipment rinse detected methylene chloride at 0.28ug/L and toluene at 0.42 ug/L. No qualifications were made since the contamination was less than ½ the RL.

FWGBKGmw-017c-0414-GW MS and MSD: Acetone, Bromoform, Bromomethane, Chloromethane, and cis-1,3-dichloropropane recovered below control limits in the MS. Acetone recovered below control limits in the MSD. 1,1-Dichloroethene, carbon disulfide, carbon tetrachloride, and vinyl chloride MS/MSD RPD were above control limits. No qualifications were made on MS and MSD analyses for bromomethane, chloromethane, 1,1-Dichloroethene, carbon disulfide, carbon tetrachloride, and vinyl chloride since there were no other QC outliers.

Acetone, Bromoform, and cis-1,3-dichloropropane were qualified "UJ" in sample FWGBKGmw-017c-0414-GW.

FWGBKmw-021C-0418-GW MS and MSD: Acetone, Bromoform, Chloromethane, and trans-1,3-oropropane recovered below control limits in the MS. Acetone recovered below control limits in the MSD. Trans-1,3-dichloropropane RPD was above control limits. There were no QC outliers for Chloromethane; therefore no qualifications were made. Acetone, Bromoform, and trans-1,3-Dichloropropane were qualified "UJ" in sample FWGBKGmw-021c-0418-GW.

SVOCs- 8270C

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Tuning criteria
- Initial Calibration criteria including CCC and SPCC compounds
- ICV and CCV criteria
- Internal standard area counts and retention times
- The method blank was free from contamination
- MRL Level Verification criteria
- Equipment Rinse was free from contamination

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Hexachlorocyclopentadiene recovered at 7.4% in the LCS, below the rejection point of 30%. All associated results were qualified "R".

FWGBKmw-021C-0418-GW MS and MSD: 2,4-Dimethylphenol, 2-Chlorophenol, benzoic acid, hexachlorobutadiene, hexachlorocyclopentadiene, and hexachloroethane recovered below control limits in the MS. 2,4-Dimethylphenol, benzoic acid, hexachlorocyclopentadiene, and hexachloroethane recovered below control limits in the MSD. Hexachlorocyclopentadiene RPD was above control limits. There were no QC outliers for 2,4-Dimethylphenol, 2-Chlorophenol, benzoic acid, hexachlorobutadiene, and hexachloroethane . Therefore no qualifications were made.

FWGBKmw-017C-0414-GW MS and MSd: 3,3'-dichlorobenzidine and hexachlorocyclopentadiene recovered below control limits in the MS and MSD. 2,4-Dimethylphenol RPD was above control limits. There were no QC outliers for 2,4-Dimethylphenol and 3,3'-Dichlorobenzidine. Therefore for no qualifications were made.

Surrogates 2-Fluorophenol and Phenol-d5 recovered below the control limit but greater than 10% in sample FWGLL12mw-182c-0432-GW. All associated analytes were qualified "J/UJ".

Sample FWGBKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Bis(2-ethylhexyl)phthalate and di-n-octyl phthalate RPDs were 200%. Sample FWBKGmw-004c-0405-GW di-n-octyl phthalate result was detected and qualified "J". Sample FWGBKGmw-DUP2-0449-GW bis(2-ethylhexyl)phthalate result was detected and qualified "J".

Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW. Bis(2-ethylhexyl)phthalate RPD was 200%. Sample FWGLL12mw-182c-0432-GW was detected and qualified "J". The field duplicate was non-detect.

Pesticides- 8081

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- DDT and Endrin breakdown criteria
- Retention time criteria
- CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD values criteria
- MS/MSD percent recoveries and RPD values criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Surrogate DCB recovered below the control limit in samples FWGBKDmw-017c-0414-GW, FWGLL12mw-182c-0432-GW, and FWGLL12mw-DUP4-0451-GW. All associated results were qualified "J/UJ".

Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. All RPDs were acceptable.

Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW. Methoxychlor RPD was 200%. Sample FWGLL12mw-DUP4-0451-GW was detected and qualified "J".

PCBs- 8082

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria

- Retention time criteria
- CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- Field Duplicate RPD criteria
- MS/MSD percent recoveries and RPD values criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Samples FWGBKGmw-010c-0409-GW, FWGLL12mw-153c-0431-GW, FWGLL12mw-182c-0432-GW, and FWGLL12mw-DUP4-0451-GW had DCB recover below the control limits. All associated results were qualified "J/UJ".

Explosives- 8330

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration Criteria
- Retention time criteria
- MDL level verification criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation
- Surrogate recoveries

RDX %D was above control limits in the 5/6 @ 2331 and 5/7@ 2045 MRL check. No qualifications were made since the results were not detected.

Nitroglycerin and PETN were not spiked into the MRL checks during analysis since the analytes were added to the target compound list after analysis. No qualifications were made since an evaluation could not be made

Nitroguanidine- 8330M

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- Retention time criteria
- MRL level verification criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Metals - 6010B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Serial Dilution criteria
- MS/MSD percent recoveries and RPD values criteria
- Post Digestion spike criteria
- MDL and MRL Level Verification criteria
- Field Duplicate RPD criteria

Blanks:

- ICB:
  - Potassium was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.

- CCB:
  - Potassium was detected in all CCBs between 149 and 165 ppb; RL is 1000 ppb. Cobalt CCB4 was detected at 1.4; RL is 5.0. Nickel was detected at 1.7; RL is 10. Silver was detected at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made.

- Method Blank:
  - Calcium was detected at 351 ug/L; RL is 1000ppb. Manganese was detected at 0.71 ppb; RL is 10 ppb. Potassium was detected at 149 ppb; RL is 1000ppb. Copper was detected at 2.8 ppb; RL is 5.0 ppb.
  - Calcium, Manganese, Potassium, and zinc were less than ½ the RL; therefore no qualifications were made.
  - All copper results were qualified "B".

- Equipment Rinse:
  - Calcium was detected at 99.5 ug/L; RL is 1000ppb. Potassium was detected at 147 ppb; RL is 1000ppb. Zinc was detected at 2.3 ppb; RL is 10 ppb. Copper was detected at 2.2 ppb; RL is 5.0 ppb. All results were less than ½ the MRL; therefore no qualifications were made.

Metals - 6020

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Internal standard and tune criteria
- Initial Calibration criteria
- ICV and CCV criteria
- ICBs and CCBs were free from contamination
- MDL and MRL Level Verification criteria
- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS percent recoveries criteria
- Post Digestion Spike criteria
- Serial Dilution criteria

Zinc was detected in the method blank at 4.6 ppb and in the equipment rinse at 2.3 ppb. The zinc RL is 10 ppb. Zinc was less than ½ the RL; therefore no qualifications were made.

Sample FWBKGmw-017C-0414-GF was the parent lab dup sample. The Thallium RPD was above control limits. Sample FWBKGmw-017c-0414-GF was qualified "J" estimated.

Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Nickel, aluminum, and iron RPDs were above control limits. Nickel was qualified "J" in the parent sample. Aluminum was qualified "J" in the field duplicate sample. Iron was qualified "J" in both samples.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D200101 **Date:** November 15, 2007
COC#: 268911, 268909, 268912, 268914 **Revision:** 2

Mercury - 7470A

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- ICB and CCBs were free from contamination
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MDL and MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria

There were no QC exceptions noted.

Nitrocellulose - 353.2

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Sample preparation criteria
- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- ICB and CCBs were free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- Field duplicate RPD criteria
- Nitrocellulose assay criteria

Nitrocellulose MS/MSD RPD was above control limits for FWGBKmw-017C-0414-GW. Nitrocellulose recovered below the control limits in FWGBKmw-021C-0418-GW MS. The MS/MSD RPD was above control limits for FWGBKmw-021C-0418-GW. All associated results were qualified "J/UJ".

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D200101
COC#: 268911, 268909, 268912, 268914

Date: November 15, 2007
Revision: 2

Cyanide- 9012

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD recoveries and RPD values criteria
- Field duplicate RPD criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

The MRL check for 4/27/07 recovered at 58%. Samples FWGBKGmw-017c-0414-GW, FWGBKGmw-004c-0405-GW, FWGBKGmw-008c-0408-GW, FWGBKGmw-010c-0409-GW, FWGLL12mw-153c-0431-GW, FWGEQUIPRinse-0459c-GW, and FWGLL12mw-183c-0433-GW were "R"

Nitrate/Nitrite - 353.2

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD recoveries and RPD values criteria
- Field duplicate RPD criteria

There were no QC exceptions noted.

Data Validator: Heather Hadley
Date: 11/15/07

Senior Data Validator: Erika C. Carbis
Date: 11/15/07

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07 and analyzed on 4/25/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3.3
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-3
7. Was the GC/MS system tuned with bromofluorobenzene (BFB)?	✓				LCG Table 1
8. Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	✓			*4/17/07 @ 0847, 4/25/07 @ 0904*	SW846 8260B 7.3.1
9. Did the initial calibration curve consist of 5 concentration levels?	✓			*4/17/07 Instrument A3UX15* *stds – 5, 10, 25, 50, 100, 200 ng on column*	LCG Table 1 R
10. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviations (%RSD) ≤ 30%?	✓				LCG Table 1 R
11. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓				LCG Table 1
12. Were all other target analytes ≤ 15% RSD? OR Was the average RSD ≤ 15%? Was a different calibration option used?	✓			*Acetone used a weighted linear curve.*	LCG Table 1 15% <RSD< 20% = J/UJ
13. If a linear regression curve was used, was the correlation coefficient r≥0.99?	✓			*All correlation coefficients were ≥0.99. No qualifications were made since the correlation coefficients were acceptable.*	LCG Table 1 R<0.99=-J/R
14. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			*3/22/07*	LCG Table 1 R
15. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours?	✓			*4/25/07 @ 1129 and 1959*	LCG Table 1

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
16. Were the QC/MRL recoveries 70-130%?		✓		*Acetone %R = 25.045%, Benzene %R = 141%, and Bromoform %R = 64.24% in opening MRL. The closing MRL had Acetone %R = 0%, Carbon Disulfide %R = 61.36%, cis-1,3-dichloropropene %R = 62.7%, trans-1,3-dichloropropene %R = 59%, Dibromochloromethane %R = 66.35%, and Bromoform %R = 54%. All acetone results except FGWTRIP Team 10418 were qualified "R". Sample FGWTRIP Team 10418 was qualified "J". All bromoform, carbon disulfide, cis-1,3-Dichloropropene, and dibromochloromethane results were qualified "UJ". All trans-1,3-dichloropropene results were qualified "R".*	LCG Table 1 >130%=J; 70-60%=J/UJ; <60%=J/R
17. Was a second source verification (ICV) analyzed after the ICAL? Were results 80-120%?	✓			*4/17/07 @ 1523*	LCG Table 1 >120%=J; 60-80%=J/UJ; <60%=J/R
18. Was a CCV run every 12 hours?	✓			*4/25/07 @ 0957*	LCG Table 1
19. Did the CCCs have a %Difference < 20%?	✓				LCG Table 1
20. Were the minimum RFs for the SPCCs within limits?	✓				LCG Table 1
21. Was the average of all target analytes ≤ 20%D with a maximum D for each target analyte ≤30%?	✓				LCG Table 1 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J
22. Were the internal standards added to every sample?	✓				LCG Table 1
23. Were the retention times for all IS compounds within ±30 seconds from the RT of the mid-point standard in the ICAL?	✓				LCG Table 1 R
24. Was the EICP area between -50% and +100% of the ICAL mid-point standard?	✓				LCG Table 1 R
25. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 1
26. Were target analytes detected in the method blank at >1/2 the MRL?		✓		*Methylene Chloride was detected at 0.53; the RL was 2.0. No qualifications were made since the contamination was less than ½ the RL.*	LCG Table 1 <5/10X =B
27. Was a field blank (equipment and/or trip) collected and analyzed?	✓				

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
28. Were target analytes detected in the field blank analyses >1/2 the MRL?	✓			*Trip team 1 detected Methylene Chloride at 0.31ug/L. Trip team 2 detected methylene chloride at 0.29 ug/L. Trip team 3 detected methylene chloride at 0.34 ug/L.* *The equipment rinse detected methylene chloride at 0.28ug/L and toluene at 0.42 ug/L.* *No qualifications were made since the contamination was less than ½ the RL.*	<5/10X =U
29. Was a field duplicate analyzed? Were the RPDs within ±30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW. All RPDs were less than 30%.*	QAPP Table 3-2 RPD >30=J
30. Was a LCS prepared and analyzed with each batch?	✓			*An LCSD was analyzed and reported*	LCG Table 1
31. Were the LCS recoveries within limits specified in Appendix C of the LCG?	✓			*1,2,4-Trichlorobenzene LCSD %R = 70%*	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
32. Was a MS/MSD prepared with each batch?	✓				LCG Table 1
33. Was the MS/MSD parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
34. Were MS/MSD recoveries 70-130% and RPD values ≤20%?		✓		*FWGBKGmw-017c-0414-GW: Acetone, Bromoform, Bromomethane, Chloromethane, and cis-1,3-dichloropropane recovered below control limits in the MS. Acetone recovered below control limits in the MSD. 1,1-Dichloroethene, carbon disulfide, carbon tetrachloride, and vinyl chloride MS/MSD RPD were above control limits. No qualifications were made on MS and MSD analyses for bromomethane, chloromethane, 1,1-Dichloroethene, carbon disulfide, carbon tetrachloride, and vinyl chloride since there were no other QC outliers. Acetone, Bromorform, and cis-1,3-dichloropropane were qualified "UJ"* *FWGBKmw-021C-0418-GW: Acetone, Bromoform, Chloromethane, and trans-1,3-oropropane recovered below control limits in the MS. Acetone recovered below control limits in the MSD. Trans-1,3-dichloropropane RPD was above control limits. There were no QC outliers for Chloromethane; therefore no qualifications were made. Aceotne, Bromoform, and trans-1,3-Dichloropropane were qualified "UJ".*	LCG Table 1 Pj

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
35. Were surrogate recoveries 50-150%?	✓				LCG Table 1 >150%=J; 10% -50%=J/UJ; <10%=J/R
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
38. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on the*	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 1 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Table1- CCCs

Analyte
1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

Table 2- SPCCs

Analyte	Minimum RF
Chloromethane	0.10
1,1-Dichlorethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268911, 268909, 268912, 268914	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.4 and 4.8°C	QAPP Table 4-2
3. Were samples extracted using the correct preparation, clean-up methods?	✓				QAPP Table 4-2
4. Were samples extracted within required holding times (7 days - water)?	✓			Samples collected 4/18 and 4/19/07; extracted on 4/23/07.	QAPP Table 4-2 J/UJ/R
5. Were samples analyzed within required holding times (40 days after extraction)?	✓			Samples analyzed on 5/1/07 and 5/2/07.	QAPP Table 4-2 J/UJ/R
6. Were sample storage requirements met?	✓				QAPP Table 4-2
7. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-4 and 3-6
8. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-4 and 3-6
9. Was the GC/MS system tuned with decafluorotriphenylphosphine (DFTPP)?	✓				LCG Table 2
10. Were the criteria met during each 12 hour shift?	✓			4/26/07 @ 1454, 5/1/07 @ 1018, 5/2/07 @ 1201	LCG Table 2
11. Did the initial calibration curve consist of 5 concentration levels, with the low standard near but above the MDL?	✓			Instrument A4HP8, ICAL 4/26/07 stds = 0.05, 0.25, 0.50, 1.0, 2.5, 5.0, 7.5, 10.0, 12.5 ng on column	LCG Table 2 R
12. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviation (%RSD) ≤ 30%?	✓				LCG Table 2 R
13. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓			2,4-Dinitrophenol and 4-Nitrophenol used quadratic curves.	LCG Table 2 R
14. Was each target analyte <15 % RSD, or was the average RSD <15%? If a different calibration option was used, were the r^2's ≥0.99?	✓			Benzoic acid, 2,4,5-Trichlorophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 4-Nitrophenol, 2,4-Dinitrotoluene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, Pentachlorophenol, Di-n-octylphthalate used quadratic curves. All r^2's were greater than 0.99. No qualifications made since the coefficient of determinations were within criteria.	LCG Table 2 r<0.99=-J/R 15% <RSD< 30% = J/UJ

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Was a MDL Level Verification performed once per quarter with all target analytes detected?				MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 2 R
16. Was a MRL Level Verification run at the beginning and end of the sequence or every 12 hours? Were results 70-130%?	✓			5/1/07 @ 1056 and 1748; 5/2/07 @ 1605 and 1642	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
17. Was a second source (ICV) verification analyzed after the ICAL? Were results 70-130%?	✓			4/26/07 @ 1807	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
18. Was a CCV analyzed every 12 hours?	✓			5/1/07 @ 1037, 5/2/07 @ 1221	LCG Table 2
19. Was the percent difference (% D) for the CCCs ≤ 20%? (see Table 1) (% drift if regression fit model used)	✓				LCG Table 2
20. Were the minimum RFs for the SPCCs met? (see Table 2)	✓			2,4-Dinitrophenol %D was 28.4% in 5/2 CCV. RF was met and avg %Ds was less than 20%. No qualifications were made.	LCG Table 2
21. Was the %Difference or %Drift ≤20% for all target analytes? OR was the average %D ≤20% with no individual analyte ≥30%D?	✓				LCG Table 2 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J
22. Were the internal standards added to every sample?	✓				LCG Table 2
23. Did the retention times for all IS compounds vary by no more than 30 seconds from the RT of the mid-point ICAL std?	✓				LCG Table 2 R
24. Did the areas of all IS compounds vary by no more than -50% to +100% from the ICAL EICP area?		✓		Perylene-d12 was below LL in ICAL std 7. No qualifications were made since all other ICAL std IS areas were within criteria.	LCG Table 2 R
25. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 2

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
25. Were all target analytes in the method blank <1/2 the MRL?	✓				LCG Table 2 <5/10x blank = B
26. Was a field blank collected and analyzed?	✓				
27. Were all target analytes in the field blank analysis <1/2 the MRL?	✓				<5/10x blank = B
28. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGBKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Bis(2-ethylhexyl)phthalate and di-n-octyl phthalate RPDs were 200%. Sample FWBKGmw-004c-0405-GW di-n-octyl phthalate result was detected and qualified "J". Sample FWGBKGmw-DUP2-0449-GW bis(2-ethylhexyl)phthalate result was detected and qualified "J". Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW. Bis(2-ethylhexyl)phthalate RPD was 200%. Sample FWGLL12mw-182c-0432-GW was detected and qualified "J". The field duplicate was non-detect.	QAPP Table 3-2 RPD >30=J
29. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 2
30. Were the LCS recoveries within limits specified in LCG Appendix C?		✓		Hexachlorocyclopentadiene recovered at 7.4%, below the rejection point of 30%. All associated results were qualified "R".	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
31. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 2
32. Was the MS/MSD parent sample a Ravenna sample?	✓			Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.	
33. Were MS/MSD recoveries 45-135% and RPD value ≤40%?		✓		FWGBKmw-021C-0418-GW: 2,4-Dimethylphenol, 2-Chlorophenol, benzoic acid, hexachlorobutadiene, hexachlorocyclopentadiene, and hexachloroethane recovered below control limits in the MS. 2,4-Dimethylphenol, benzoic acid, hexachlorocyclopentadiene, and hexachloroethane recovered below control limits in the MSD. Hexachlorocyclopentadiene RPD was above control limits. There were no QC outliers for 2,4-Dimethylphenol, 2-Chlorophenol, benzoic acid, hexachlorobutadiene, and hexachloroethane . Therefore no qualifications were made. FWGBKmw-017C-0414-GW: 3,3'-dichlorobenzidine and hexachlorocyclopentadiene recovered below control limits in the MS and MSD.	LCG Table 2 Pj

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
				2,4-Dimethylphenol RPD was above control limits. There were no QC outliers for 2,4-Dimethylphenol and 3,3'-Dichlorobenzidine. Therefore for no qualifications were made.	
34. Were surrogates spiked into all calibration standards, blanks, QC samples as well as field samples?	✓				
35. Were surrogate recoveries within 50-150%?	✓			2-Fluorophenol and Phenol-d5 recovered below the control limit but greater than 10% in sample FWGLL12mw-182c-0432-GW. All associated analytes were qualified "J/UJ".	LCG Table 2 >150%=J; 10% -50%=J/UJ; <10%=J/R
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
38. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 2 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Table 1: CCCs

Base / Neutral Compunds	Acid Compounds
Acenaphthalene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8270C (including PAH's)

Hexachlorobutadiene	2-Nitrophenol
N-Nitrosodiphehylamine	Phenol
Di-n-octylphthalate	Pentachlorophenol
Fluoroanthene	2,4,6-Trichlorophenol
Benzo(a)pyrene	

(All analytes if CCCs not included in standard)

Table 2: SPCCs

N-Nitroso-di-n-propylamine	0.050
Hexachlorocyclopentadiene	0.050
2,4-Dinitrophenol	0.050
4-Nitrophenol	0.050

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, extracted on 4/23/07, and analyzed on 4/27/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Was a DDT standard analyzed every 12 hours? Was the DDT %breakdown < 15%?	✓			*4/12/07 @ 1046, 4/27/07 @ 0005, 0818*	LCG Table 4 >15%=J/R
8. Was an endrin standard analyzed every 12 hours? Was endrin %breakdown <15%?	✓			*4/12/07 @ 1046, 4/27/07 @ 0005, 0818*	LCG Table 4 >15%=J/R
9. Does the initial calibration curve consist of 5 concentration levels?	✓			*Instrument a2hp9; ICAL on 4/12/07* *Stds = 0.005, 0.01, 0.025, 0.05, 0.1, 0.20*	LCG Table 4 R
10. Were the %RSDs for each analyte ≤ 20%? OR was the average %RSD ≤ 20% with the r^2 >0.990?	✓				LCG Table 4 RSD>20% or r<0.99=J/R
11. Was a blank run prior to the initial calibration?	✓				
12. Was a MDL Level Verification performed once per quarter with all target analytes detected?				*MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.*	LCG Table 4 R
13. Was a MRL Verification performed at the beginning and end of the sequence or every 12 hours with results 70-130%?	✓			*4/27/07 @ 0050, 0902*	LCG Table 4 >130%=J; 65-70%%=J/UJ; <65%=J/R
14. Was a second source (ICV) verification analyzed after the ICAL? Were results 85-115%?	✓			*4/12/07 @ 2112*	LCG Table 4 >115%=J; 80-85%=J/UJ; <80%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Was a CCV run every 12 hours?	✓			*4/26/07 @ 1232 (tox), 4/27/07 @ 0028, 0840, 1308 (tox)*	LCG Table 4
16. Was the %D for all target analytes ≤15%? OR was the average %D ≤ 15% with no individual analyte >30%?		✓			LCG Table 4 D>30% (neg) =J/R D>30% (pos) = J
17. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 4
18. Were target analytes < ½ the MRL?	✓				LCG Table 4 <5x=B
19. Was an equipment blank collected and analyzed?	✓				
20. Were target analytes in the field blank analyses (equipment) <1/2 the MRL?	✓				<5x =U
21. Was an LCS prepared and analyzed with each batch?	✓			*Only a LCS is required*	LCG Table 4
22. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?		✓			LCG Table 4
24. Was the MS/MSD parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
25. Were MS/MSD recoveries 40-140% and RPD <20%?	✓				QAPP Table 3-2 Pj
26. Were both DCB and TCMX used for surrogates?	✓				
27. Were surrogate recoveries 50-150%?		✓		*DCB recovered below the control limit in samples FWGBKDmw-017c-0414-GW, FWGLL12mw-182c-0432-GW, and FWGLL12mw-DUP4-0451-GW. All associated results were qualified "J/UJ".*	LCG Table 4 >150%=J; 10% -50%=J/UJ; <10%=J/R
28. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. All RPDs were acceptable. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW. Methoxychlor RPD was 200%. Sample FWGLL12mw-DUP4-0451-GW was detected and qualified "J".*	QAPP Table 3-2 RPD >30=J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
29. Were all positive results verified by a second column confirmation? Were the RPD's ≤ 40?					LCG Table 4 >40 RPD=J
30. Were reported sample concentrations within calibration range?	✓				
31. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
32. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 4 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ May 30, 2007

SDG: A7D200101 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, extracted on 4/23/07, and analyzed on 4/27/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Does the initial calibration curve consist of 5 concentration levels of Aroclors 1016 and 1260?	✓			Instrument a2hp4; ICAL on 4/19/07 Stds = 0.05, 0.1, 0.2, 0.5, 1.0, 2.0	LCG Table 3 R
8. Was the % RSD ≤ 20%? Were the r^2s >0.990?	✓				LCG Table 3 RSD>20% or r<0.99= J/R
9. Was a MDL Level Verification performed once per quarter? Were all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 3 R
10. Was a MRL Level Verification performed at the beginning and end of the sequence or every 12 hours? Were the results 70-130%		✓		4/27/07 @ 0021, 0604, 0621 Aroclor 1260 opening %R = 68.52; ending %R = 63.8%; all 1260 results were qualified "J/UJ"	LCG Table 3 >130%=J; 65-70%=J/UJ; <65%=J/R
11. Was a second source (ICV) verification performed after the ICAL? Were results 85-115%?	✓			4/20/07 @ 0131	LCG Table 3 >115%=J; 80-85%=J/UJ; <80%=J/R
12. Were single standards of the other five Aroclors run to aid in pattern recognition and to determine a single point calibration factor?	✓				Method 8082 Section 5.6.2
13. Was a CCV run every 12 hours?	✓			4/27/07 @ 0004	LCG Table 3

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ May 30, 2007

SDG: A7D200101 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Was the % D ≤ 15 % for each analyte or the average %D across all analytes ≤ 15% with a maximum %D for each target analyte ≤30%?	✓				LCG Table 3 D>30% (neg) =J/R D>30% (pos) =J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 5
16. Were target analytes <1/2 the MRL?	✓				LCG Table 5 <5x = B
17. Was an equipment blank collected and analyzed?	✓				
18. Were target analytes in the field blank analyses (equipment) <1/2 the MRL?	✓				<5x = B
19. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 3
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; LL-30%=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 3
22. Was the MS/MSD parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
24. Was the surrogate spiked into all samples?	✓				
25. Were surrogate recoveries 50-150%?		✓		Samples FWGBKGmw-010c-0409-GW, FWGLL12mw-153c-0431-GW, FWGLL12mw-182c-0432-GW, and FWGLL12mw-DUP4-0451-GW had DCB recover below the control limits. All associated results were qualified "J/UJ".	LCG Table 3 >150%=J; 10-50%=J/UJ; <10%=R
26. Was a field duplicate analyzed? Were the RPDs <30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW.*	QAPP Table 3-2 RPD >30=J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ May 30, 2007

SDG: A7D200101 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
27. Were all positive results verified by a second dissimilar column confirmation? Was the RPD ≤ 40?	✓				LCG Table 3 RPD>40=J
28. Were reported sample concentrations within calibration range?	✓				
29. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
30. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 3 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, extracted on 4/25/07, and analyzed on 5/7/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?		✓			QAPP Table 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?	✓			*5/6/07 @0311*	LCG Table 5 R
8. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D <30%?		✓		*5/6/07 @ 2331, 5/7/07 @ 1008, 1952, 2045; 5/8/07 @ 0536, 0629; RDX %D was above control limits in the 5/6@ 2331 and 5/7@ 2045 MRL check. No qualifications were made since the results were not detected. Nitroglycerin and PETN were not spiked into the MRL checks during analysis since the analytes were added to the target compound list after analysis. No qualifications were made since an evluation could not be made*	LCG Table 5 >30%=J
9. Did the initial calibration curve consist of 5 concentration levels?	✓			*LC10 - ICAL 3/24/07; LC9 – 5/9/07*	LCG Table 5 R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient $r^2 \geq 0.99$?	✓				LCG Table 5 R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%	✓			*3/24/07 @ 2313*	LCG Table 5 >115%=J 80-85%=J/UJ; <80%=J/R
13. Was a CCV run daily?	✓			*5/6/07 @ 2238, 2331, 5/7/07 @ 0951, 1008, 1952, 2045; 5/8/07 @ 0536, 0629*	LCG Table 5
14. Were all target analytes %D ≤ 15% or average %D ≤ 15% with no individual result > 30%?	✓				LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J
15. Was a method blank prepared and analyzed	✓				LCG Table 5

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
with each batch?					
16. Were target analytes in the method blank <1/2 the MRL?		✓			LCG Table 5 <5x = B
17. Was a field blank (equipment) collected and analyzed?	✓				
18. Were target analytes in the field blank analyses (equipment) <1/2 MRL?	✓				<5x = B
19. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 5
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; <LL=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 5
22. Was the MS/MSD parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2; Pj
24. Were surrogate recoveries within acceptance criteria of 50-150%?	✓				LCG Table 5 >150%=J; 10-50%=J/UJ; <10%=R
25. Were all positive results confirmed with a second column confirmation? Was the RPD% within ± 40%?	✓				LCG Table 5 RPD>40%=J
26. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW. All RPDs were within criteria.*	QAPP Table 3-2 RPD >30=J
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
29. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on*	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0009 Rev. 2.0- Determination of Nitroaromatic, Nitramines, and Specialty Explosives Based on Method 8330, SW-846.

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 8330 Nitroguanidine

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, extracted on 4/26/07, and analyzed on 4/27/07 and 4/28/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?		✓			QAPP Tale 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?			✓	*MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.*	LCG Table 5 R
8. Was a MRL Level verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D < 30%?	✓			*4/27/07 @ 1756, 2204, and 4/28/07 @ 0151*	LCG Table 5 >30%=J
9. Does the initial calibration curve consist of 5 concentration levels? (6 stds for quadratic curves)	✓			*Instrument: Varian Star 1, ICAL 3/31/07* *Stds: 20, 50, 100, 200, 500, 1000*	STL SOP Section 10.2, LCG R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient r≥0.995? (0.990 for Quadratic curve)	✓				STL SOP Section 10.4, LCG R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓			*2x MDL 3/31/07 @ 1852*	STL SOP Section 9.9 >115%=J; 80-85%=J/UJ; <80%=J/R
13. Was a CCV run at least every 10 samples and at the end of the analytical run?	✓			*4/27/07 @ 1735, 2143, and 4/28 @ 0131*	STL SOP Section 10.9
14. Was the average %D (difference or drift) for all target analytes < 15%?	✓				LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 4, 2007

SDG: A7D200101 R0
Analysis: SW846 8330 Nitroguanidine

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Attachment A Section 5.6
16. Were target analytes reported in the method blank <1/2 the MRL?	✓				LCG Table 5 <5x = B
17. Was a field blank collected and analyzed?	✓				
18. Were target analytes reported in the field blank analyses < ½ the MRL?	✓				<5x=B
19. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW.*	QAPP Table 3-2 RPD >30=J
20. Were all positive results confirmed with a second column confirmation? Was the RPD ≤ 40%?	✓				LCG Table 5 RPD>40%=J
21. Was an LCS prepared and analyzed with each batch?	✓				STL SOP Section 9.6
22. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C <UL=J; 30-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?	✓				STL SOP Section 9.7
24. Was the MS/MSD parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
25. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
26. Were reported sample concentrations within calibration range?	✓				
27. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
28. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on the*	

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 4, 2007

SDG: A7D200101 R0
Analysis: SW846 8330 Nitroguanidine

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0010 "Determination of Nitroguanidine Based on Method 8330, SW-846" April 2007, revision 2.0

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ May 30, 2007

SDG: A7D200101 R0
Analysis: SW846 6010B/6020

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, extracted on 4/23/07, ICP analyzed on 4/23/07, and ICP-MS analyzed on 4/25/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3-8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 3 standards and a blank?	✓				LCG Table 7 R
8. Was the ICAL performed daily?	✓				LCG Table 7 R
9. Was the correlation coefficient r≥0.995 for each analyte?	✓				LCG Table 7 R<0.995=J/R
10. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓				LCG Table 7 R
11. Was a MRL Level Verification performed at the beginning of the daily sequence? Were results 70-130%?	✓				LCG Table 7 >130%=J; 65-70%=J/UJ; <65%=J/R
12. Was the ICV (second source verification) analyzed after the ICAL?	✓				LCG Table 7
13. Were all analytes within 90-110% in the ICV?	✓				LCG Table 7 J>110%=J; 90-85%=J/UJ; <85%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?		✓		Potassium ICB was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.	LCG Table 7 < 5x = U
15. Were CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 7

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ ~~May 30, 2007~~ June 19, 2007 HM 6/15

SDG: A7D200101 R0
Analysis: SW846 6010B/6020

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
16. Were CCV results within 90 to 110%?	✓				LCG Table 7 >110%=J 90-85%=J/UJ; <85%=J/R
17. Were the CCBs run every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?		✓		Potassium CCBs were detected between 149 and 165 ppb; RL is 1000 ppb. Cobalt CCB4 was detected at 1.4; RL is 5.0. Nickel was detected at 1.7; RL is 10. Silver was detected at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made.	LCG Table 7 <5x = U
18. Was an Interelement Check Standard run at the beginning of the analytical sequence?	✓				LCG Table 7
19.Was the ICS recovery within 80 to 120% of true value for each element of interest?	✓				LCG Table 7 >120%=J; 50-79%=J/UJ; <50%=Pj/R
21. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 7
22. Were target analytes <1/2 the MRL in the method blank?		✓		Calcium was detected at 351 ug/L; RL is 1000ppb. Manganese was detected at 0.71 ppb; RL is 10 ppb. Potassium was detected at 149 ppb; RL is 1000ppb. Zinc was detected at 4.6 ppb; RL is 10 ppb. Copper was detected at 2.8 ppb; RL is 5.0 ppb. Calcium, Manganese, Potassium, and zinc were less than ½ the RL; therefore no qualifications were made. All copper results were qualified "B".	LCG Table 7 <5x = B
23. Was a field blank collected and analyzed?	✓			No field blank was collected.	
24. Were target analytes reported in the field blank analyses <1/2 the MRL?		✓		Calcium was detected at 99.5 ug/L; RL is 1000ppb. Potassium was detected at 147 ppb; RL is 1000ppb. Zinc was detected at 2.3 ppb; RL is 10 ppb. Copper was detected at 2.2 ppb; RL is 5.0 ppb. All results were less than ½ the MRL; therefore no qualifications were made.	<5x=B
25. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 7
26. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; 60%-LL= J/UJ; <60%=J/R
27. Was a MS prepared with each batch?	✓				LCG Table 7

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ ~~May 30, 2007~~ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 6010B/6020

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
28. Was the MS parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
29. Were the MS recoveries within 75-125%?	✓				LCG Table 7 >125% = J 30% - 75% = J/UJ <30% = J/R
30. Was the lab sample duplicate RPD ≤20%?		✓		Sample FWBKGmw-017C-0414-GF was the parent lab dup sample. Thallium RPD was above control limits. Sample FWBKGmw-017c-0414-GF was qualified "J" estimated.	LCG Table 7 >20% = J
31. Was a Post Digestion Spike analyzed as needed? Were results within 75-125%?			✓		LCG Table 7 >125%=J; 30-75%=J/UJ; <30%=R
32. Was a serial dilution performed as needed?	✓				
33. Was the 4 fold dilution within ± 10% of the original result?	✓				LCG Table 7 >10%=J
34. Was a field duplicate analyzed? Were the RPDs ± 30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Nickel, aluminum, and iron RPDs were above control limits. Nickel was qualified "J" in the parent sample. Aluminum was qualified "J" in the field duplicate sample. Iron was qualified "J" in both samples.* *Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW. All RPDs were within limits.*	QAPP Table 3-2 >30% = J
35. Were sample concentrations within calibration range?	✓				
36. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
37. Were lab comments included in report? If yes, summarize contents.	✓			Comments in the case narrative on blank contamination and sample duplicate RPDs.	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 7 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, extracted on 4/23/07, and analyzed on 4/24/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3.8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 5 standards and a blank?	✓				LCG Table 9 R
8. Was the correlation coefficient ≥ 0.995 for Hg?	✓				LCG Table 9 R<0.995=J/R
9. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓				LCG Table 9 R
10. Was a MRL Level Verification performed at the beginning of every daily analytical sequence with 70-130%?	✓				LCG Table 9 >130%=J; 70-65%=J/UJ; <65%=J/R
11. Was the ICV analyzed after the ICAL but before samples with recoveries between 80-120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ; <75%=J/R
12. Was the ICB analyzed after the ICAL with results <1/2 the MRL?	✓				LCG Table 9 <5x = U
13. Were the CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 9
14. Were CCV results within 80 to 120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ; <75%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Were the CCBs analyzed every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?	✓				LCG Table 9 <5x = U
16. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 9
17. Were target analytes detected in the method blank <1/2 the MRL?	✓				LCG Table 9 <5x = B
18. Was a field blank collected and analyzed?	✓				
19. Were target analytes reported in the field blank analyses at <1/2 the MRL?	✓				<5x=B
20. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 9
21. Were the LCS recoveries within 80-120%?	✓				LCG Table 9 J>120%=J; 50-79%=J/UJ; <50%=R
22. Was a MS prepared with each batch?	✓				LCG Table 9
23. Was the MS parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
24. Were the MS recoveries within 80-120%?	✓				LCG Table 9 >125% = J 30% - 75% = J/UJ <30% = J/R
25. Was the Matrix Duplicate RPD ± 20%?	✓				LCG Table 9 >20% = J
26. Was a field duplicate analyzed? Were the RPDs ± 30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW.*	QAPP Table 3-2
27. Were sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 14, 2007

SDG: A7D200101 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
29. Were lab comments included in report? If yes, summarize contents.	X			Comments on the MS/MSD	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 9 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, and analyzed on 4/25/07, 4/26/07, 4/27/07*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?		✓			QAPP Table 3-9
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-9
7. Does the initial calibration curve consist of at least 6 standards and one blank?	✓			*4/25/07, 4/26/07*	LCG Table 10 R
8. Was the correlation coefficient R ≥ 0.995?	✓				LCG Table 10 R<0.995=-J/R
9. Were % RSDs ≤ 10% in all standards and ICV/CCVs?	✓				LCG Table 10 RSD%>10=J
10. Were a high and low standard distilled and compared to the undistilled standard? Were the results within ± 10%?	✓				LCG Table 10 R
11. Was an MDL Level Verification performed at least once per quarter with all target analytes detected?			✓	*MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.*	LCG Table 10 R
12. Was a MRL Level Verification performed at the beginning of every daily sequence? Were results within 70-130%?		✓		*4/25/07 @ 0943,4/26/07 @ 1456, 4/27/70 @ 0851; The MRL check for 4/27/07 recovered at 58%. Samples FWGBKGmw-017c-0414-GW, FWGBKGmw-004c-0405-GW, FWGBKGmw-008c-0408-GW, FWGBKGmw-010c-0409-GW, FWGLL12mw-153c-0431-GW, FWGEQUIPRinse-0459c-GW, and FWGLL12mw-183c-0433-GW were "R"*	LCG Table 10 >130%=J; 65-70%=J/UJ; <65%=J/R
13. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓				LCG Table 10 >115%=J; 80-85%=J/UJ; <80%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				LCG Table 7 < 5x = U

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
15. Was a CCV run at the beginning and end of the analytical sequence?	✓				LCG Table 10
16. Were the CCV results 80-120%?	✓				LCG Table 10 >120%=J; 75-80%=J/UJ; <75%=J/R
17. Was a method blank prepared and analyzed with each batch?	✓				
18. Were target analytes detected in the method blank >1/2 the MRL?		✓			LCG Table 10 <5x=B
19. Was a field blank collected and analyzed?	✓				
20. Were target analytes in the field blank analyses <1/2 the MRL?	✓				<5x=B
21. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW.*	QAPP Table 3-2 >30% = J
22. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 10
23. Were the LCS recoveries 80-120%?	✓				LCG Table 10 >120%=J; 50-79%=J/UJ; <50%=R
24. Was a MS prepared once per every 10 samples?	✓			*5 MS recoveries were reported. Only one MS recovery applies to the samples in this SDG (analyzed on 4/27/07).*	LCG Table 10
25. Was the MS parent sample a Ravenna sample?	✓			*Sample FWGBKmw-017C-0414-GW was the parent sample.*	
26. Were MS recoveries 75-125%?	✓				QAPP Table 3-2 >120%=J; 30-74%=J/UJ; <30%=J/R
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
29. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on the*	

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 10 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 Rev 0
Analysis: EPA 353.2

Review Questions:	Yes	No	N/A	Comments	Qual/Crtieria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, and analyzed on 4/25/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3-9
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-9
7. Was the Linear Calibration Range verified using 3 standards and 1 blank? Was the ICV within 10% of the initial values?	✓				Method EPA 353.2 Section 9.2.2 J
8. Was an Instrument Performance Check Solution (CCV) analyzed immediately following daily calibration, after every 10th sample, and at the end of the analytical sequence?	✓				Method EPA 353.2 Section 9.3.4
19. Was the CCV a mid-level standard from the initial calibration curve?	✓				Method EPA 353.2 Section 9.3.4
10. Were the CCVs 90-110%?	✓				Method EPA 353.2 Section 9.3.4 >110%=J; 85-90%=J/UJ; <85%=J/R
11. Was a method blank and a calibration blank prepared and analyzed with each batch?	✓				Method EPA 353.2 Section 9.3.1, 9.3.4
12. Were target analytes detected in the method blank or calibration blank >1/2 the MRL?		✓		*ADR checked section;*	LCG Attachment A Section 11 <5x = B
13. Was a field blank collected and analyzed?	✓				

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 Rev 0
Analysis: EPA 353.2

Review Questions:	Yes	No	N/A	Comments	Qual/Crtieria
14. Were target analytes in the field blank analyses <1/2 the MRL?	✓			*ADR checked section;*	<5x=U
16. Was a field duplicate analyzed? Were the RPDs <30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW.*	QAPP Table 3-2 >30% = J
17. Was an LCS prepared and analyzed with each batch? Was the LCS recovery within 90-110%?	✓				Method EPA 353.2 Section 9.3.3 >110%=J; 70-90%=J/UJ; <70%=R
18. Was a MS prepared with each batch?	✓				Method EPA 353.2 Section 9.4.1
19. Was the MS parent sample a Ravenna sample?	✓				
20. Were MS/MSD recoveries and RPD within lab in-house limits?	✓			*Sample FWGLL12mw-183C-0433-GW was the parent sample; ADR checked section*	Method EPA 353.2 Section 9.4.2 >UL%=J; 50-LL%=J/UJ; <50%=J/R
21. Were sample concentrations within calibration range?	✓				
22. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
23. Were lab comments included in report? If yes, summarize contents.	✓				

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

EPA Method 353.2 "Determination of Nitrate-Nitrite Nitrogen by Automated Colorimetry", August 1993, rev 2.0

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 Rev 0
Analysis: EPA 353.2- Nitrocellulose

Review Questions:	Yes	No	N/A	Comments	Qualifier
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268911, 268909, 268912, 268914*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.4 and 4.8°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/18 and 4/19/07, extracted 5/7, hydrolyzed 5/8, and analyzed on 5/8/07*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3.7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3.7
7. Was Acetone used to extract the samples? Was the Acetone evaporated using Nitrogen?	✓				STL SOP Sections 11.4
8. Does the initial calibration curve consist of 5 concentration levels with the low standard near but > MDL?	✓			*Instrument FS4; ICAL 5/8/07* *Stds- 0, 0.05, 0.2, 0.4, 1, 2*	STL SOP Section 10.2 R
9. Was the correlation coefficient >0.995?	✓				STL SOP Section 10.2
10. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D <30%?		✓		*5/8/07 @ 1211, 1305, and 1315.*	LCG Table 5 >30%=J
11. Was a second source verification (ICV) analyzed after the ICAL? Were all analytes 90-110%?	✓			*5/8/07 @ 1209*	STL SOP Section 9.8, 10.3, LCG >110%=J; 90-85%=J/UJ; <85%=J/R
12. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				STL SOP Section 9.8, LCG < 5x = U
13. Was a CCV run every 10 samples and at the end of the analytical run?	✓			5/8/07 @ 1241, 1307, 1317	STL SOP Section 10.4
14. Was the ICV and CCV a mid-level standard from the initial calibration curve?	✓				STL SOP Section 10.3.1

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 Rev 0
Analysis: EPA 353.2- Nitrocellulose

Review Questions:	Yes	No	N/A	Comments	Qualifier
15. Were all CCV calibration analytes within 90-110%?	✓				STL SOP Section 10.4, LCG >110%=J; 85-90%=J/UJ; <85%=J/R
16. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				STL SOP Section 10.4, LCG < 5x = U
17. Was the Nitrocellulose assay available and/or analyzed to be within 10%?	✓				STL SOP Section 7.14.1 R
18. Was a method blank prepared and analyzed with each batch?	✓				
19. Were target analytes reported in the method blank <1/2 the MRL?	✓			*ADR checked section;*	STL SOP Section 9.4, LCG <5x=B
20. Was a field blank collected and analyzed?	✓				
21. Were target analytes reported in the field blank analyses <1/2 the MRL?	✓			*ADR checked section;*	<5x=B
22. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			*Sample FWGKGmw-DUP2-0449-GW was the field duplicate of FWGBKGmw-004C-0405-GW. Sample FWGLL12mw-DUP4-0451-GW was the field duplicate of FWGLL12mw-182C-0432-GW.*	QAPP Table 3-2 RPD > 30% = J
23. Was an LCS prepared and analyzed with each batch? Was the LCS recovery within lab's in-house limits%?	✓				>UL%=J; 50-LL%=J/UJ; <50%=J/R
24. Was a MS/MSD pair prepared with each batch?	✓				
25. Was the MS/MSD parent sample a Ravenna sample?	✓			*Samples FWGBKmw-021C-0418-GW and FWGBKmw-017C-0414-GW were the parent samples.*	
26. Were MS/MSD recoveries 40-140% and RPD ≤20?		✓		*ADR checked section; Nitrocellulose MS/MSD RPD was above control limits for FWGBKmw-017C-0414-GW. Nitrocellulose recovered below the control limits in FWGBKmw-021C-0418-GW MS. The MS/MSD RPD was above control limits for FWGBKmw-021C-0418-GW. All associated results were qualified "J/UJ".*	QAPP Table 3-2 Method EPA 353.2 Section 9.4.2 >UL%=J; 30-LL%=J/UJ; <50%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 15, 2007

SDG: A7D200101 Rev 0
Analysis: EPA 353.2- Nitrocellulose

Review Questions:	Yes	No	N/A	Comments	Qualifier
27. Were sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
30. Were lab comments included in report? If yes, summarize contents.	✓				

References: *STL SOP SAC-WC-0050 "Preparation and Analysis of Nitrocellulose in Aqueous and Soil/Sediment Samples by Colorimetric Autoanalyzer", Jan 2007, rev. 2.0*

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-004C-0405-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101016

Reviewed By / Date : Heather Medley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	20.2		ug/L		YES																
Calcium	17200		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.7		ug/L	B J	YES	BJ			4B					J		4B					L, F, N
Lead	3.0		ug/L	U	YES																
Magnesium	6260		ug/L		YES																
Manganese	0.89		ug/L	B J	YES	J								J							L
Nickel	1.9		ug/L	B	YES	J								J							L, B-P
Potassium	653		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	12900		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																P
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	53.8		ug/L		YES	J															P, B
Thallium	1.0		ug/L	U	YES																
Zinc	5.0		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

Project Number and Name: 030240.0005 - Ravenna GW **Library Used:** Ravenna GW

ADR 8.1 Report Date: 6/15/2007 10:19

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-004C-0405-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101015

Reviewed By / Date : Heather Medley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.1**															
1,3,5-Trinitrobenzene	0.11		ug/L	U	YES																
1,3-Dinitrobenzene	0.11		ug/L	U	YES																
2,4,6-TNT	0.11		ug/L	U	YES																
2,4-Dinitrotoluene	0.11		ug/L	U	YES																
2,6-Dinitrotoluene	0.11		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.11		ug/L	U	YES																
2-Nitrotoluene	0.10		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.55		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.11		ug/L	U	YES																
4-Nitrotoluene	0.55		ug/L	U	YES																
HMX	0.11		ug/L	U	YES																
Nitrobenzene	0.11		ug/L	U	YES																
NITROGLYCERINE	0.72		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.72		ug/L	U	YES																
RDX	0.11		ug/L	U	YES																
TETRYL	0.11		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-004C-0405-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101015

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-004C-0405-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101015

Reviewed By / Date : Heather Melley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.29		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-004C-0405-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101015

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-004C-0405-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101015

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	9.5		ug/L	J	YES	J								J							L
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																P
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.2		ug/L		YES	J															P
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-004C-0405-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101015

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-008C-0408-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101018

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	5.0		ug/L	B	YES	J								J							L
Calcium	30300		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.3		ug/L	B J	YES	BNJ			MB					J		QB					L,F,N
Lead	3.0		ug/L	U	YES																
Magnesium	12200		ug/L		YES																
Manganese	0.27		ug/L	B J	YES	J								J							L
Nickel	10.0		ug/L	U	YES																
Potassium	480		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	10200		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	95.4		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	3.9		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-008C-0408-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101017

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.97**															
1,3,5-Trinitrobenzene	0.097		ug/L	U	YES																
1,3-Dinitrobenzene	0.097		ug/L	U	YES																
2,4,6-TNT	0.097		ug/L	U	YES																
2,4-Dinitrotoluene	0.097		ug/L	U	YES																
2,6-Dinitrotoluene	0.097		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.097		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.097		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.097		ug/L	U	YES																
Nitrobenzene	0.097		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.097		ug/L	U	YES																
TETRYL	0.097		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-008C-0408-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101017

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.012		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-008C-0408-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101017

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-008C-0408-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101017

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-008C-0408-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101017

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-008C-0408-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101017

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-010C-0409-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101020

Reviewed By / Date : Heather Reddy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	21.4		ug/L		YES																
Calcium	11600		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	3.6		ug/L	B J	YES	BJ			MB					J		QB					L, F, N
Lead	3.0		ug/L	U	YES																
Magnesium	15600		ug/L		YES																
Manganese	944		ug/L	J	YES																
Nickel	78.7		ug/L		YES																
Potassium	540		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	3730		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	156		ug/L		YES																
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.14		ug/L	B	YES	J								J							L
Iron	43.4		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	11.6		ug/L	J	YES																
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-010C-0409-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101019

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.96**															
1,3,5-Trinitrobenzene	0.096		ug/L	U	YES																
1,3-Dinitrobenzene	0.096		ug/L	U	YES																
2,4,6-TNT	0.096		ug/L	U	YES																
2,4-Dinitrotoluene	0.096		ug/L	U	YES																
2,6-Dinitrotoluene	0.096		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.096		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.096		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.096		ug/L	U	YES																
Nitrobenzene	0.096		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.096		ug/L	U	YES																
TETRYL	0.096		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-010C-0409-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101019

Reviewed By / Date : Heather Nedley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.028		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-010C-0409-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101019

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-010C-0409-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101019

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-010C-0409-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101019

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	24		ug/L		YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-010C-0409-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101019

Reviewed By / Date : Heather Nedley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-015C-0412-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101002

Reviewed By / Date : Heather Melley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	302		ug/L		YES																
Calcium	31600		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	3.2		ug/L	B J	YES	BJ			AB					J							L, F
Lead	3.0		ug/L	U	YES																
Magnesium	13200		ug/L		YES																
Manganese	11.3		ug/L	J	YES																
Nickel	3.5		ug/L	B	YES	J								J							L
Potassium	4780		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	14200		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	128		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	13.6		ug/L	J	YES																
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-015C-0412-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101001

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.099		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.095		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-015C-0412-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101001

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.061		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-015C-0412-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101001

Reviewed By / Date : Heather Medley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-015C-0412-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101001

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-015C-0412-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101001

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.9		ug/L	J	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-015C-0412-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101001

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-017C-0414-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101014

Reviewed By / Date : Heather Hedley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	15.4		ug/L		YES																
Barium	40.1		ug/L		YES																
Calcium	88600		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	4.5		ug/L	B J	YES	BJ			VB					J		VB					L, F, W
Lead	3.0		ug/L	U	YES																
Magnesium	40000		ug/L		YES																
Manganese	190		ug/L	J	YES																
Nickel	2.5		ug/L	B	YES	J								J							L
Potassium	4760		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	22200		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	419		ug/L		YES																
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	2050		ug/L		YES																
Thallium	0.031		ug/L	B	YES	J						J		J							L, Z
Zinc	12.4		ug/L	J	YES																
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-017C-0414-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101013

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.07**															
1,3,5-Trinitrobenzene	0.11		ug/L	U	YES																
1,3-Dinitrobenzene	0.11		ug/L	U	YES																
2,4,6-TNT	0.11		ug/L	U	YES																
2,4-Dinitrotoluene	0.11		ug/L	U	YES																
2,6-Dinitrotoluene	0.11		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.11		ug/L	U	YES																
2-Nitrotoluene	0.54		ug/L	U	YES																
3-Nitrotoluene	0.54		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.11		ug/L	U	YES																
4-Nitrotoluene	0.54		ug/L	U	YES																
HMX	0.11		ug/L	U	YES																
Nitrobenzene	0.11		ug/L	U	YES																
NITROGLYCERINE	0.70		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.34		ug/L	J	YES	J								J							L
RDX	0.11		ug/L	U	YES																
TETRYL	0.11		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-017C-0414-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101013

Reviewed By / Date : Heather Pelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-017C-0414-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101013

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R					UJ										Pj-,H-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-017C-0414-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101013

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-017C-0414-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101013

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	8.9		ug/L	J	YES	J								J							L
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R	UJ										H-,J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-017C-0414-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101013

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-021C-0418-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101010

Reviewed By / Date : Heather Medley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	30.4		ug/L		YES																
Calcium	82400		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.8		ug/L	B J	YES	BJ			MB					J		FB					L, FN
Lead	3.0		ug/L	U	YES																
Magnesium	47700		ug/L		YES																
Manganese	10.0		ug/L	U	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	689		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	15800		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	293		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	6.0		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-021C-0418-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101009

Reviewed By / Date : Heather Nadley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.04**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.52		ug/L	U	YES																
3-Nitrotoluene	0.52		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.52		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.68		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.68		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-021C-0418-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101009

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-021C-0418-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101009

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R					UJ										Pj-,H-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-021C-0418-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101009

Reviewed By / Date : Heather Nedry 6/13/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R					UJ										Pj-,H-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-021C-0418-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101009

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	8.9		ug/L	J	YES	J								J							L
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.1		ug/L	J	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R	UJ										I,J-,H-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-021C-0418-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101009

Reviewed By / Date : Heather McKee 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-DUP2-0449-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101006

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	20.6		ug/L		YES																
Calcium	18200		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.1		ug/L	B J	YES	J			B					J		J					L, F, M
Lead	3.0		ug/L	U	YES																
Magnesium	6630		ug/L		YES																
Manganese	0.80		ug/L	B J	YES	J								J							L
Nickel	10.0		ug/L	U	YES																P
Potassium	663		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	13300		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	3.7		ug/L	B	YES	J								J							L, B-P
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	144		ug/L		YES	J															P, J
Thallium	1.0		ug/L	U	YES																
Zinc	5.4		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-DUP2-0449-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101005

Reviewed By / Date : Heather Nedley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.08**															
1,3,5-Trinitrobenzene	0.11		ug/L	U	YES																
1,3-Dinitrobenzene	0.11		ug/L	U	YES																
2,4,6-TNT	0.11		ug/L	U	YES																
2,4-Dinitrotoluene	0.11		ug/L	U	YES																
2,6-Dinitrotoluene	0.11		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.11		ug/L	U	YES																
2-Nitrotoluene	0.095		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.54		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.11		ug/L	U	YES																
4-Nitrotoluene	0.54		ug/L	U	YES																
HMX	0.11		ug/L	U	YES																
Nitrobenzene	0.11		ug/L	U	YES																
NITROGLYCERINE	0.70		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.70		ug/L	U	YES																
RDX	0.11		ug/L	U	YES																
TETRYL	0.11		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-DUP2-0449-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101005

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-DUP2-0449-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101005

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.23		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-DUP2-0449-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101005

Reviewed By / Date : Heather Nadley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-DUP2-0449-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101005

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	9.1		ug/L	J	YES	J								J							L
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.9		ug/L	J	YES	J								J							L, B, P
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																P
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-DUP2-0449-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101005

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse4-0459C-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101023

Reviewed By / Date : Heather Nedley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2						**Dilution: 1**															
Nitrate as N (NO3-N)	0.1		mg/L	U	YES																
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse4-0459C-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101023

Reviewed By / Date : Heather Kelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.28		ug/L	J B	YES	UJ			U					J							L
Styrene	1.0		ug/L	U	YES																

Project Number and Name: 030240.0005 - Ravenna GW **Library Used:** Ravenna GW

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse4-0459C-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101023

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	0.42		ug/L	J	YES	J								J							L
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse4-0459C-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101023

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse4-0459C-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101023

Reviewed By / Date : Heather Kelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse4-0459C-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101023

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	10.0		ug/L	U	YES																
Calcium	99.5		ug/L	B J	YES	BJ			LB					J							L
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.2		ug/L	B J	YES	BJ			LB					J							L, F
Lead	3.0		ug/L	U	YES																
Magnesium	1000		ug/L	U	YES																
Manganese	10.0		ug/L	U	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	147		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	1000		ug/L	U	YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	20.0		ug/L	U	YES																
Thallium	1.0		ug/L	U	YES																
Zinc	2.3		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-153C-0431-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101022

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	14.6		ug/L		YES																
Barium	74.9		ug/L		YES																
Calcium	138000		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	3.0		ug/L	B J	YES	BJ			MB					J		MB					L,F,N
Lead	3.0		ug/L	U	YES																
Magnesium	75500		ug/L		YES																
Manganese	198		ug/L	J	YES																
Nickel	1.7		ug/L	B	YES	J								J							L
Potassium	1950		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	25400		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	13.3		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	4000		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	7.9		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-153C-0431-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101021

Reviewed By / Date : Heather McCleery 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.97**															
1,3,5-Trinitrobenzene	0.097		ug/L	U	YES																
1,3-Dinitrobenzene	0.097		ug/L	U	YES																
2,4,6-TNT	0.097		ug/L	U	YES																
2,4-Dinitrotoluene	0.097		ug/L	U	YES																
2,6-Dinitrotoluene	0.097		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.097		ug/L	U	YES																
2-Nitrotoluene	0.097		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.097		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.097		ug/L	U	YES																
Nitrobenzene	0.097		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.097		ug/L	U	YES																
TETRYL	0.097		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-153C-0431-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101021

Reviewed By / Date : Heather Medley 9/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2						**Dilution: 1**															
Nitrate as N (NO3-N)	0.1		mg/L	U	YES																
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.031		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-153C-0431-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101021

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-153C-0431-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101021

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-153C-0431-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101021

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	3.0		ug/L	J	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-153C-0431-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101021

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-182C-0432-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101012

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	35.3		ug/L		YES																
Barium	85.8		ug/L		YES																
Calcium	83700		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.4		ug/L	B J	YES	BJ			MB					J		FB					L, F, N
Lead	3.0		ug/L	U	YES																
Magnesium	61900		ug/L		YES																
Manganese	52.6		ug/L	J	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	3950		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	27300		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	14.7		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	1170		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	6.1		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-182C-0432-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101011

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.98**															
1,3,5-Trinitrobenzene	0.098		ug/L	U	YES																
1,3-Dinitrobenzene	0.098		ug/L	U	YES																
2,4,6-TNT	0.098		ug/L	U	YES																
2,4-Dinitrotoluene	0.098		ug/L	U	YES																
2,6-Dinitrotoluene	0.098		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.098		ug/L	U	YES																
2-Nitrotoluene	0.10		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.49		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.098		ug/L	U	YES																
4-Nitrotoluene	0.49		ug/L	U	YES																
HMX	0.098		ug/L	U	YES																
Nitrobenzene	0.098		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.098		ug/L	U	YES																
TETRYL	0.098		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-182C-0432-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101011

Reviewed By / Date : Heather Malley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2						**Dilution: 1**															
Nitrate as N (NO3-N)	0.1		mg/L	U	YES																
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.15		mg/L	B	YES	J					J			J							L, H, I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-182C-0432-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101011

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-182C-0432-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101011

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-182C-0432-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101011

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	8.3		ug/L	J	YES	J							J	J							L
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.4		ug/L	J	YES	J								J							L, R-B
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-182C-0432-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101011

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-183C-0433-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101026

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	20.2		ug/L		YES																
Barium	78.4		ug/L		YES																
Calcium	116000		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.8		ug/L	B J	YES	J			B					J		F					L, F, N
Lead	3.0		ug/L	U	YES																
Magnesium	46200		ug/L		YES																
Manganese	53.4		ug/L	J	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	3880		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	18700		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	5.3		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	830		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	5.0		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-183C-0433-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101025

Reviewed By / Date : Heather McAlee 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.099		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-183C-0433-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101025

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2						**Dilution: 1**															
Nitrate as N (NO3-N)	0.1		mg/L	U	YES																
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.012		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-183C-0433-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101025

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-183C-0433-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101025

Reviewed By / Date : Heather Malley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-183C-0433-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101025

Reviewed By / Date : Heather Needley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.9		ug/L	J	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-183C-0433-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101025

Reviewed By / Date : Heather Nelley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-186C-0434-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101008

Reviewed By / Date : Heather Melley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	46.9		ug/L		YES																
Calcium	139000		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	1.3		ug/L	B	YES	J								J							L
Copper	3.4		ug/L	B J	YES	BJ			VB					J		VB					L, F, W
Lead	3.0		ug/L	U	YES																
Magnesium	64100		ug/L		YES																
Manganese	287		ug/L	J	YES																
Nickel	3.8		ug/L	B	YES	J								J							L
Potassium	1340		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	16200		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	11.6		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	820		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	6.0		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-186C-0434-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101007

Reviewed By / Date : Heather Melley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.98**															
1,3,5-Trinitrobenzene	0.031		ug/L	J	YES	J								J							L
1,3-Dinitrobenzene	0.098		ug/L	U	YES																
2,4,6-TNT	0.098		ug/L	U	YES																
2,4-Dinitrotoluene	0.098		ug/L	U	YES																
2,6-Dinitrotoluene	0.098		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.098		ug/L	U	YES																
2-Nitrotoluene	0.10		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.49		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.098		ug/L	U	YES																
4-Nitrotoluene	0.49		ug/L	U	YES																
HMX	0.098		ug/L	U	YES																
Nitrobenzene	0.098		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.098		ug/L	U	YES																
TETRYL	0.098		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-186C-0434-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101007

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2						**Dilution: 1**															
Nitrate as N (NO3-N)	0.1		mg/L	U	YES																
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.090		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-186C-0434-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101007

Reviewed By / Date : Heather Medley 9/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-186C-0434-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101007

Reviewed By / Date : Deanna Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-186C-0434-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101007

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	8.5		ug/L	J	YES	J								J							L
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	2.0		ug/L	J	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-186C-0434-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101007

Reviewed By / Date : Heather Reilley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-DUP4-0451-GF **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D200101004

Reviewed By / Date : Heather Nadley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	35.6		ug/L		YES																
Barium	88.7		ug/L		YES																
Calcium	88700		ug/L	J	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.5		ug/L	B J	YES	BJ			XB					J		XB					L, F, N
Lead	3.0		ug/L	U	YES																
Magnesium	66100		ug/L		YES																
Manganese	56.4		ug/L	J	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	4010		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	28400		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	11.8		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES																
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	1170		ug/L		YES																
Thallium	1.0		ug/L	U	YES																
Zinc	5.3		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-DUP4-0451-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D200101003

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.099		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.098		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-DUP4-0451-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101003

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2						**Dilution: 1**															
Nitrate as N (NO3-N)	0.1		mg/L	U	YES																
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.024		ug/L	J	YES	J							J	J							L, R, G
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-DUP4-0451-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101003

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-DUP4-0451-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101003

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-DUP4-0451-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101003

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	8.5		ug/L	J	YES	J								J							L
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																P
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL12mw-DUP4-0451-GW **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101003

Reviewed By / Date : Heather Medley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP TEAM 10418 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101027

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	1.2		ug/L	J	YES	J								J							L, Pj
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.81		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP TEAM 10418 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101027

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM 1 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101028

Reviewed By / Date : Heather Reddy 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.31		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM 1 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101028

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM 2 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101029

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.29		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM 2 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101029

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM 3 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101030

Reviewed By / Date : Heather Nelley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES	UJ															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.34		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM 3 **Lab Report Batch :** A7D200101 **Lab ID :** STLCAN

Sample Date : 04/19/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D200101030

Reviewed By / Date : Heather Medley 6/18/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z
Categories not Assessed by Automated Data Review*	
Internal Standards	Is
Calibration Blanks	Cb
Resolution Check Mixture	Rm
Performance Evaluation Mixture	Pm
Professional Judgement	Pj

* Qualifiers for data-review categories not assessed by automated data review are manually entered by the user. The application automaticallly adds reason codes listed here when the user manually adds qualifiers for these categories if the option for applying reason codes was selected during automated data review.

CASE NARRATIVE

A7D200101

The following report contains the analytical results for twenty-five water samples and four quality control samples submitted to STL North Canton by Environmental Quality Mgt Inc from the RVAAP Ohio Site, project number W912QR-04-D-0036. The samples were received April 20, 2007, according to documented sample acceptance procedures.

The Explosives, Nitroguanidine, and Nitrocellulose analyses were performed at STL Sacramento.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Eric Corbin and Heather Medley on May 18, 2007. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 1.4 to 4.8°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for FWGBKGmw-021C-0418-GW and FWGBKGmw-017C-0414-GW had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

GC/MS SEMIVOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for FWGBKGmw-021C-0418-GW and FWGBKGmw-017C-0414-GW had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

PESTICIDES-8081

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Batch 7113038 had recoveries and/or RPD's out high in the LCS. Since there were no hits detected in any of the associated samples, no corrective action was necessary.

CASE NARRATIVE (continued)

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

The sample duplicate RPD was outside the acceptance limits for some analytes. The result is less than five times the reporting limit; therefore, no corrective action is required. Refer to the sample duplicate report for RPDs that exceed 20%.

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The matrix spike/matrix spike duplicate(s) for FWGBKGmw-021C-0418-GW and FWGBKGmw-017C-0414-GW had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)
-

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER A7D200101

General Comments
The samples were receive at 0 degrees C. but did not appear to be frozen.

WATER, 8330, Explosives
Sample(s): 1, 3, 5, 7, 9, 9, 9, 11, 13, 13, 13, 15, 17, 19, 21, 23, 25
The matrix spikes, which were performed on sample 13, showed a high matrix spike duplicate recovery for nitrobenzene due to possible matrix interferences. Since the laboratory control sample showed acceptable recoveries, no corrective action was performed.

Sample(s): 1, 3, 5, 7, 9, 9, 9, 11, 13, 13, 13, 15, 17, 19, 21, 23, 25
These samples were analyzed without bracketing MRL standards for Nitroglycerin & PETN since these analytes were requested after the samples had already been analyzed.
In addition, The MRL standard had a low recovery for RDX (>30%) so a MDL check sample was analyzed and was included in the raw data.

WATER, 353.2, Nitrocellulose as N
Sample(s): 1, 3, 5, 7, 9, 9, 9, 11, 13, 13, 13, 15, 17, 19, 21, 23, 25
The matrix spikes, which were performed on samples 9 & 13, showed high RPDs due to possible matrix interferences. Since the laboratory control sample showed acceptable recoveries, no corrective action was performed.

There were no other anomalies associated with this project.

SAMPLE SUMMARY

A7D200101

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JVAJX	001	FWGBKGmw-015C-0412-GW	04/18/07	16:55
JVAJ0	002	FWGBKGmw-015C-0412-GF	04/18/07	16:55
JVAJ1	003	FWGLL12mw-DUP4-0451-GW	04/19/07	10:34
JVAJ2	004	FWGLL12mw-DUP4-0451-GF	04/19/07	10:34
JVAJ3	005	FWGBKGmw-DUP2-0449-GW	04/19/07	14:10
JVAJ4	006	FWGBKGmw-DUP2-0449-GF	04/19/07	14:10
JVAJ5	007	FWGLL12mw-186C-0434-GW	04/19/07	08:50
JVAJ6	008	FWGLL12mw-186C-0434-GF	04/19/07	08:50
JVAJ7	009	FWGBKGmw-021C-0418-GW	04/19/07	11:20
JVAJ8	010	FWGBKGmw-021C-0418-GF	04/19/07	11:20
JVAJ9	011	FWGLL12mw-182C-0432-GW	04/19/07	10:34
JVAKA	012	FWGLL12mw-182C-0432-GF	04/19/07	10:34
JVAKC	013	FWGBKGmw-017C-0414-GW	04/19/07	09:00
JVAKD	014	FWGBKGmw-017C-0414-GF	04/19/07	09:00
JVAKE	015	FWGBKGmw-004C-0405-GW	04/19/07	13:45
JVAKH	016	FWGBKGmw-004C-0405-GF	04/19/07	13:45
JVAKJ	017	FWGBKGmw-008C-0408-GW	04/19/07	14:50
JVAKK	018	FWGBKGmw-008C-0408-GF	04/19/07	14:50
JVAKL	019	FWGBKGmw-010C-0409-GW	04/19/07	15:10
JVAKM	020	FWGBKGmw-010C-0409-GF	04/19/07	15:10
JVAKN	021	FWGLL12mw-153C-0431-GW	04/19/07	12:30
JVAKQ	022	FWGLL12mw-153C-0431-GF	04/19/07	12:30
JVAKR	023	FWGEQUIPRinse4-0459C-GW	04/19/07	13:14
JVAKW	025	FWGLL12mw-183C-0433-GW	04/19/07	08:55
JVAK1	026	FWGLL12mw-183C-0433-GF	04/19/07	08:55
JVAK2	027	FWGTRIP TEAM 10418	04/18/07	08:00
JVAK3	028	FWGTRIP-TEAM 1	04/19/07	08:00
JVAK4	029	FWGTRIP-TEAM 2	04/19/07	08:00
JVAK5	030	FWGTRIP-TEAM 3	04/19/07	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Chain of Custody Record

SEVERN TRENT **STL®**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4/18/07	Chain of Custody Number: 268911
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 7500 (fax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP Ohio PM# Ed 30240.0006	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	Metals
FWGBKGmw-015C-0412-GW	4/18/07	1655		X			10			3	1		X	X	X	X	X	X	X	
FWGBKGmw-015C-0412-GF	4/18/07	1655		X					1											X
FWG Trip Team # 10418	4/18/07	0800		X						2			X							
EC 4/18/07																				

Special Instructions/ Conditions of Receipt

EQ 4/18/07

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Per SOW

QC Requirements (Specify): Metals were field filtered

	Date	Time		Date	Time
1. Relinquished By: Eric C. Corbin EQ	4/19/07	1745	1. Received By:	4-19-07	5:50 pm
2. Relinquished By:	4/19/07	1744 pm	2. Received By:	4/20/07	0545
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: Cooler ID# 38

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT STL®

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4-19-07	Chain of Custody Number: 268909
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 7500 (Fax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP Ohio PN#30240.0006	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	PEST 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	Metals	Hg/NA	Special Instructions/ Conditions of Receipt
FWGLLI2mw-186C-0434-GW	4-19-07	0850		X			10			3	1		X	X	X	X	X	X	X		X	
FWGLLI2mw-186C-0434-GF	↑	0850		X					1											X		Field filtered
FWGLLI2mw-153C-0431-GW		1230		X			10			3	1		X	X	X	X	X	X	X		X	
FWGLLI2mw-153C-0431-GF		1230		X					1											X		Field filtered
FWGBKGmw-010C-0409-GW		1510		X			10			3	1		X	X	X	X	X	X	X			
FWGBKGmw-010C-0409-GF	↓	1510		X					1											X		field filtered.
FWGTrip-Team1	4-19-07	0800		X						2			X									
				EC 4/19/07																		

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other Per SOW

QC Requirements (Specify): Metals were field filtered

1. Relinquished By: Erik C. Corbin EQ	Date: 4/19/07	Time: 17:45	1. Received By:	Date: 4/19/07	Time: 5:45
2. Relinquished By:	Date: 4/19/07	Time: 7:15	2. Received By:	Date: 4/20/07	Time: 0545
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: Samples may not meet temp requirements due to being collected late today Cooler ID# 34, 35, 37

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL®**
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
EQM	John Miller	4-19-07	268912

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 1
1800 CARILLON BLVD	513 8257500 (fax 7495)		

City	State	Zip Code	Site Contact	Lab Contact
Cincinnati	OH	45240		Mark Loeb

Project Name and Location (State)	Carrier/Waybill Number
RVAAP Ohio PN#30240.0006	N/A

Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO# 12633

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants 8012	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGBKGmw-017C-0414-GW	4-19-07	0900		X			30			9	3		X	X	X	X	X	X	X		MS/MSD
FWGBKGmw-017C-0414-GF	4-19-07	0900		X					3											X	Field Filtered MS/MSD
FWGBKGmw-021C-0418-GW	4-19-07	1120		X			30			9	3		X	X	X	X	X	X	X		MS/MSD
FWGBKGmw-021C-0418-GF	4-19-07	1120		X					3											X	Field Filtered MS/MSD
FWGBKGmw-004C-0405-GW	4-19-07	1345		X			10			3	1		X	X	X	X	X	X	X		
FWGBKGmw-004C-0405-GF	4-19-07	1345		X					1											X	Field Filtered.
FWGBKGmw-DUP2-0449-GW	4-19-07	1410		X			10			3	1		X	X	X	X	X	X	X		
FWGBKGmw-DUP2-0449-GF	4-19-07	1410		X					1											X	Field Filtered.
FWGTrip-Team2	4-19-07	0800		X						2			X								
		EC		4/19/07																	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Per SOW

QC Requirements (Specify): Metals were field filtered

1. Relinquished By	Date	Time	1. Received By	Date	Time
Erik C. Corbin EQ	4/19/07	17:45		4-19-07	5:49
2. Relinquished By	Date	Time	2. Received By	Date	Time
Steve Hoke	4/19/07	7:15 PM		4/20/07	0545
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: Samples may not meet temp requirements due to being collected late today. Cooler ID#5, 6, 29, 30, 31, 32, 33, 36 & coolers on this shi...

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

24

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
EQM	John Miller	4/19/07	268914
Address 1800 CARILLON BLVD	**Telephone Number (Area Code)/Fax Number** 513 825 7500 (Fax 7495)	**Lab Number**	**Page** ____ of ____
City Cincinnati	**State** OH	**Zip Code** 45240	**Site Contact**	**Lab Contact** Mark Web
Project Name and Location (State) RVAAP OHIO Pn# 30240.0006	**Carrier/Waybill Number**	
Contract/Purchase Order/Quote No. W912QR-04-D-0036 PO#12639		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	metals	NO3/NO2 353	Special Instructions/ Conditions of Receipt
FWGLL12mw-183C-0433-GW	4/19/07	08:55		X			10	3		3	1		X	X	X	X	X	X	X		X	MS/MSD NO3/NO2 only
FWGLL12mw-183C-0433-GF	4/19/07	08:55		X					1											X		
FWGLL12mw-182C-0432-GW	4/19/07	10:34		X			10	1		3	1		X	X	X	X	X	X	X		X	
FWGLL12mw-182C-0432-GF	4/19/07	10:34		X					1											X		
FWGLL12mw-Dup4-0451-GW	4/19/07	10:34		X			10	1		3	1		X	X	X	X	X	X	X		X	
FWGLL12mw-Dup4-0451-GF	4/19/07	10:34		X					1											X		
FWGEQUIPRinse4-0459-GW	4/19/07	13:14		X			10	1	1	3	1		X	X	X	X	X	X	X	X	X	Metal not filtered
FWGBKGmw-008C-0408-GW	4/19/07	14:50		X			10			3	1		X	X	X	X	X	X	X			
FWGBKGmw-008C-0408-GF	4/19/07	14:50		X					1											X		
FWG Trip Team 3	4/19/07	08:00		X						2			X									
						EB	4/19/07															

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Per SOW

QC Requirements (Specify) Metals were field filtered

	Date	Time		Date	Time
1. Relinquished By: Erik C. Corbin EQ	4/19/07	1745	1. Received By:	4-19-07	5:50 PM
2. Relinquished By:	4/19/07	715PM	2. Received By:	4/20/07	0545
3. Relinquished By:			3. Received By:		

Comments
Samples may not meet temp req'ments due to being collected late in day ph v12l check okay Order ID# 24, 25, 26, 27, +28

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

STL Cooler Receipt Form/Narrative **Lot Number:** 470200101

North Canton Facility

Client: EQM Project: _____ Quote#: _____

Cooler Received on: 4/20/07 Opened on: 4/20/07 by: _____ (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ STL Courier ☒

Stetson ☐ US Cargo ☐ Other: _____

STL Cooler No# See Attached Foam Box ☐ Client Cooler ☐ Other _____

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 17
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☐ No ☐ NA ☒
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other : _____
6. Cooler temperature upon receipt See Attached °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH upon receipt? Yes ☒ No ☐ NA ☐
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a Trip Blank present in the cooler? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning: _____

√	
	1. CHAIN OF CUSTODY
	The following discrepancies occurred:
	2. SAMPLE CONDITION
	Sample(s) _____ were received after the recommended holding time had expired.
	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #* 110106 *- Sulfuric Acid Lot #* 092006-*H2SO4; Sodium Hydroxide Lot #* -122805 *-NaOH; Hydrochloric Acid Lot #* 100504-*HCl; Sodium Hydroxide and Zinc Acetate Lot #* 050205-*CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials
015C	<2 >12	4/20/07	gm
DUP4	<2 >12 <2		
186C	<2 >12 <2		
021C	<2 <2 <2 >12 >12 >12		

STL North Canton Multiple Cooler Form

Cooler	Temp	Method	Coolant	Comments
STL no #	2.2°C.	IR	Ice	37
STL no #	2.7°C.			24
	3.7°C.			6
	2.8°C.			5
	2.4°C.			32
	2.6°C.			33
	4.8°C.			27
	2.6°C.			30
	2.9°C.			31
	1.7°C.			29
	1.6°C.			35
	2.1°C.			36
	2.7°C.			28
	1.6°C.			38
	1.4°C.			34
	2.8°C.			26
STL no #	2.3°C.	IR	Ice	25

Revision 0, 09/19/01 DJL \\QCANOH01\public\QAQC\LAB_FORM\STL North Canton Multiple Cooler Form.doc

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
182C	<2 >12 <2	4/20/07	gw
017C	<2 <2 <2 >12 >12 >12		
004C	<2 >12		
008C	<2 >12		
010C	<2 >12		
153C	<2 >12 <2		
Rinse 4	<2 >12 <2		
183C	<2 <2 <2 <2 <2 >12		
DUP 2	<2 >12		

Cooler	Temp	Method	Coolant

Discrepancies Cont.

GCMS VOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-001	**Work Order #...:** JVAJX1AA	**Matrix.....:** WG	
Date Sampled...: 04/18/07 16:55	**Date Received..:** 04/20/07		
Prep Date.....: 04/25/07	**Analysis Date..:** 04/25/07		
Prep Batch #...: 7115132			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-001 Work Order #...: JVAJX1AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	83	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-003 **Work Order #...:** JVAJ11AA **Matrix.....:** WG
Date Sampled...: 04/19/07 10:34 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-003 Work Order #...: JVAJ11AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	100	(50 - 150)
Toluene-d8	100	(50 - 150)
4-Bromofluorobenzene	77	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-005	**Work Order #...:** JVAJ31AA	**Matrix.....:** WG	
Date Sampled...: 04/19/07 14:10	**Date Received..:** 04/20/07		
Prep Date.....: 04/25/07	**Analysis Date..:** 04/25/07		
Prep Batch #...: 7115132			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.23 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-005 **Work Order #...:** JVAJ31AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	95	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	80	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-007	**Work Order #...:** JVAJ51AA	**Matrix.....:** WG	
Date Sampled...: 04/19/07 08:50	**Date Received..:** 04/20/07		
Prep Date.....: 04/25/07	**Analysis Date..:** 04/25/07		
Prep Batch #...: 7115132			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-007 Work Order #...: JVAJ51AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	98	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	82	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-009 **Work Order #...:** JVAJ71AA **Matrix.....:** WG
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-009 Work Order #...: JVAJ71AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(50 - 150)
1,2-Dichloroethane-d4	100	(50 - 150)
Toluene-d8	102	(50 - 150)
4-Bromofluorobenzene	74	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-011 **Work Order #...:** JVAJ91AA **Matrix.....:** WG
Date Sampled...: 04/19/07 10:34 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-011 Work Order #...: JVAJ91AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	95	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	79	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-013 **Work Order #...:** JVAKC1AA **Matrix.....:** WG
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-013 **Work Order #...:** JVAKC1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	100	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-015	**Work Order #...:** JVAKE1AA	**Matrix.....:** WG	
Date Sampled...: 04/19/07 13:45	**Date Received..:** 04/20/07		
Prep Date.....: 04/25/07	**Analysis Date..:** 04/25/07		
Prep Batch #...: 7115132			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.29 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-015 Work Order #...: JVAKE1AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	98	(50 - 150)
Toluene-d8	98	(50 - 150)
4-Bromofluorobenzene	84	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-017 **Work Order #...:** JVAKJ1AA **Matrix.....:** WG
Date Sampled...: 04/19/07 14:50 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-017 Work Order #...: JVAKJ1AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-019 **Work Order #...:** JVAKL1AA **Matrix.....:** WG
Date Sampled...: 04/19/07 15:10 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-019 Work Order #...: JVAKL1AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(50 - 150)
1,2-Dichloroethane-d4	98	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-021 **Work Order #...:** JVAKN1AA **Matrix.....:** WG
Date Sampled...: 04/19/07 12:30 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-021 Work Order #...: JVAKN1AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	97	(50 - 150)
Toluene-d8	98	(50 - 150)
4-Bromofluorobenzene	80	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-023	**Work Order #...:** JVAKR1AA	**Matrix.....:** WQ	
Date Sampled...: 04/19/07 13:14	**Date Received..:** 04/20/07		
Prep Date.....: 04/25/07	**Analysis Date..:** 04/25/07		
Prep Batch #...: 7115132			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.28 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.42 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-023 Work Order #...: JVAKR1AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	100	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	82	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-025 **Work Order #...:** JVAKW1AA **Matrix.....:** WG
Date Sampled...: 04/19/07 08:55 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

GC/MS Volatiles

Lot-Sample #...: A7D200101-025 Work Order #...: JVAKW1AA Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(50 - 150)
1,2-Dichloroethane-d4	101	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	80	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP TEAM 10418

GC/MS Volatiles

Lot-Sample #...: A7D200101-027	**Work Order #...:** JVAK21AA	**Matrix.....:** WQ	
Date Sampled...: 04/18/07 08:00	**Date Received..:** 04/20/07		
Prep Date.....: 04/25/07	**Analysis Date..:** 04/25/07		
Prep Batch #...: 7115132			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.81 J,B**	**2.0**	**ug/L**
Acetone	**1.2 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP TEAM 10418

GC/MS Volatiles

Lot-Sample #...: A7D200101-027 **Work Order #...:** JVAK21AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	102	(50 - 150)
Toluene-d8	98	(50 - 150)
4-Bromofluorobenzene	82	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM 1

GC/MS Volatiles

Lot-Sample #...: A7D200101-028 **Work Order #...:** JVAK31AA **Matrix.....:** WQ
Date Sampled...: 04/19/07 08:00 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.31 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM 1

GC/MS Volatiles

Lot-Sample #...: A7D200101-028 **Work Order #...:** JVAK31AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(50 - 150)
1,2-Dichloroethane-d4	100	(50 - 150)
Toluene-d8	98	(50 - 150)
4-Bromofluorobenzene	82	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM 2

GC/MS Volatiles

Lot-Sample #...: A7D200101-029 **Work Order #...:** JVAK41AA **Matrix.....:** WQ
Date Sampled...: 04/19/07 08:00 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.29 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM 2

GC/MS Volatiles

Lot-Sample #...: A7D200101-029 Work Order #...: JVAK41AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	103	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	80	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM 3

GC/MS Volatiles

Lot-Sample #...: A7D200101-030 **Work Order #...:** JVAK51AA **Matrix.....:** WQ
Date Sampled...: 04/19/07 08:00 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.34 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM 3

GC/MS Volatiles

Lot-Sample #...: A7D200101-030 Work Order #...: JVAK51AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	98	(50 - 150)
Toluene-d8	98	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b/UXC16408.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16408.D
Analysis Type: WATER

Injection Date: 25-APR-2007 11:29
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	Methylcyclohexane	5.0000	5.0060	0.1	50.0	
0	Methyl Acetate	10.0000	12.1633	21.6	50.0	
0	Cyclohexane	5.0000	4.8528	2.9	50.0	
0	1,2,3-Trichlorobenzene	5.0000	3.7105	25.8	50.0	
0	Dichlorodifluoromethane	5.0000	5.7388	14.8	50.0	
0	Chloromethane	5.0000	5.4539	9.1	50.0	
0	Vinyl Chloride	5.0000	6.0585	21.2	20.0	<-
0	Bromomethane	5.0000	6.0464	20.9	50.0	
0	Chloroethane	5.0000	5.8898	17.8	50.0	
0	Trichlorofluoromethane	5.0000	5.9068	18.1	50.0	
0	Acrolein	50.0000	51.9212	3.8	50.0	
0	Acetone	10.0000	2.5045	75.0	50.0	<-
0	1,1-Dichloroethene	5.0000	4.6444	7.1	20.0	
0	Freon-113	5.0000	5.1152	2.3	50.0	
0	Iodomethane	5.0000	4.7226	5.5	50.0	
0	Carbon Disulfide	5.0000	4.5508	9.0	50.0	
0	Methylene Chloride	5.0000	5.8789	17.6	50.0	
0	Naphthalene	5.0000	3.2509	35.0	50.0	
0	Acrylonitrile	50.0000	53.2749	6.5	50.0	
0	Methyl tert-butyl ether	5.0000	4.3889	12.2	50.0	
0	trans-1,2-Dichloroethene	5.0000	4.8384	3.2	50.0	
0	Hexane	5.0000	4.8988	2.0	20.0	
0	Vinyl acetate	5.0000	5.0317	0.6	50.0	
0	1,1-Dichloroethane	5.0000	5.3145	6.3	50.0	
0	Hexachlorobutadiene	5.0000	4.0240	19.5	50.0	
0	2-Butanone	10.0000	11.2248	12.2	50.0	
0	1,2-Dichloroethene (total)	10.0000	9.7590	2.4	50.0	
0	cis-1,2-dichloroethene	5.0000	4.9206	1.6	50.0	
0	2,2-Dichloropropane	5.0000	4.3628	12.7	50.0	
0	Bromochloromethane	5.0000	5.2694	5.4	50.0	
0	Chloroform	5.0000	5.0608	1.2	20.0	
0	Tetrahydrofuran	5.0000	3.8396	23.2	50.0	
0	1,1,1-Trichloroethane	5.0000	5.1083	2.2	50.0	
0	1,1-Dichloropropene	5.0000	5.1256	2.5	50.0	
0	Carbon Tetrachloride	5.0000	4.5599	8.8	50.0	
0	1,2-Dichloroethane	5.0000	5.5700	11.4	50.0	

MRL Opener

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b/UXC16408.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16408.D
Analysis Type: WATER

Injection Date: 25-APR-2007 11:29
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0	Benzene	5.0000	7.0514	41.0	50.0
0	Trichloroethene	5.0000	5.0696	1.4	50.0
0	1,2-Dichloropropane	5.0000	5.2995	6.0	20.0
0	1,2,4-Trichlorobenzene	5.0000	3.4533	30.9	50.0
0	Dibromomethane	5.0000	5.2283	4.6	50.0
0	Bromodichloromethane	5.0000	4.7875	4.2	50.0
0	2-Chloroethyl vinyl ether	10.0000	9.8254	1.7	50.0
0	cis-1,3-Dichloropropene	5.0000	3.9580	20.8	50.0
0	4-Methyl-2-pentanone	10.0000	9.9023	1.0	50.0
0	Toluene	5.0000	5.5127	10.3	20.0
0	trans-1,3-Dichloropropene	5.0000	4.1027	17.9	50.0
0	Ethyl Methacrylate	5.0000	4.2334	15.3	50.0
0	1,1,2-Trichloroethane	5.0000	5.3285	6.6	50.0
0	1,3-Dichloropropane	5.0000	5.5995	12.0	50.0
0	Tetrachloroethene	5.0000	5.0853	1.7	50.0
0	2-Hexanone	10.0000	10.2736	2.7	50.0
0	Dibromochloromethane	5.0000	4.4001	12.0	50.0
0	1,2-Dibromoethane	5.0000	5.0621	1.2	50.0
0	Chlorobenzene	5.0000	5.4301	8.6	50.0
0	1,1,1,2-Tetrachloroethane	5.0000	4.6175	7.7	50.0
0	Ethylbenzene	5.0000	4.9174	1.7	20.0
0	m + p-Xylene	10.0000	9.8981	1.0	50.0
0	Xylenes (total)	15.0000	14.5662	2.9	50.0
0	Xylene-o	5.0000	4.6680	6.6	50.0
0	Styrene	5.0000	4.3058	13.9	50.0
0	Bromoform	5.0000	3.2019	35.8	50.0
0	Isopropylbenzene	5.0000	4.5499	9.0	50.0
0	1,1,2,2-Tetrachloroethane	5.0000	5.7741	15.5	50.0
0	1,4-Dichloro-2-butene	5.0000	2.7124	45.8	50.0
0	1,2,3-Trichloropropane	5.0000	5.6188	12.4	50.0
0	Bromobenzene	5.0000	5.5245	10.5	50.0
0	n-Propylbenzene	5.0000	5.4182	8.4	50.0
0	2-Chlorotoluene	5.0000	5.5480	11.0	50.0
0	1,3,5-Trimethylbenzene	5.0000	4.9332	1.3	50.0
0	4-Chlorotoluene	5.0000	5.3944	7.9	50.0
0	tert-Butylbenzene	5.0000	4.8487	3.0	50.0
0	1,2,4-Trimethylbenzene	5.0000	4.8369	3.3	50.0
0	sec-Butylbenzene	5.0000	5.0916	1.8	50.0
0	4-Isopropyltoluene	5.0000	4.6740	6.5	50.0

NTC HW 5/2d 07

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b/UXC16408.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16408.D
Analysis Type: WATER

Injection Date: 25-APR-2007 11:29
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	5.1317	2.6	50.0	
0	1,4-Dichlorobenzene	5.0000	5.1736	3.5	50.0	
0	n-Butylbenzene	5.0000	4.5597	8.8	50.0	
0	1,2-Dichlorobenzene	5.0000	5.0064	0.1	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	3.8046	23.9	50.0	
0	1,3,5-Trichlorobenzene	5.0000	3.6229	27.5	50.0	
51	Acetonitrile	50.0000	55.6362	11.3	50.0	
59	1,4-Dioxane	250.0000	165.3314	33.9	50.0	
124	tert-Butyl Alcohol	100.0000	76.7123	23.3	50.0	
0	1,2-Dichloroethane-d4	5.0000	50.6511	913.0	50.0	<-
0	Dibromofluoromethane	5.0000	48.2930	865.9	50.0	<-
0	Toluene-d8	5.0000	49.9278	898.6	50.0	<-
0	Bromofluorobenzene	5.0000	40.2384	704.8	50.0	<-

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b/UXC16430.D
Report Date: 04/26/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16430.D
Analysis Type: WATER

Injection Date: 25-APR-2007 19:59
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D
0 Fluorobenzene	50.0000	50.0000	0.0	50.0
0 Chlorobenzene-d5	50.0000	50.0000	0.0	50.0
0 1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0
0 Methylcyclohexane	5.0000	3.4445	31.1	50.0
0 Methyl Acetate	10.0000	10.2843	2.8	50.0
0 Cyclohexane	5.0000	3.7142	25.7	50.0
0 1,2,3-Trichlorobenzene	5.0000	3.9156	21.7	50.0
0 Dichlorodifluoromethane	5.0000	4.2199	15.6	50.0
0 Chloromethane	5.0000	4.7775	4.5	50.0
0 Vinyl Chloride	5.0000	5.0680	1.4	20.0
0 Bromomethane	5.0000	5.1413	2.8	50.0
0 Chloroethane	5.0000	5.2092	4.2	50.0
0 Trichlorofluoromethane	5.0000	4.6548	6.9	50.0
0 Acrolein	50.0000	36.1596	27.7	50.0
0 Acetone	10.0000	0.0000	100.0	50.0
0 1,1-Dichloroethene	5.0000	4.3009	14.0	20.0
0 Freon-113	5.0000	4.1504	17.0	50.0
0 Iodomethane	5.0000	3.9220	21.6	50.0
0 Carbon Disulfide	5.0000	3.0678	38.6	50.0
0 Methylene Chloride	5.0000	5.5975	12.0	50.0
0 Naphthalene	5.0000	3.0462	39.1	50.0
0 Acrylonitrile	50.0000	45.0300	9.9	50.0
0 Methyl tert-butyl ether	5.0000	3.5110	29.8	50.0
0 trans-1,2-Dichloroethene	5.0000	4.3664	12.7	50.0
0 Hexane	5.0000	4.0776	18.4	20.0
0 Vinyl acetate	5.0000	2.9403	41.2	50.0
0 1,1-Dichloroethane	5.0000	4.4101	11.8	50.0
0 Hexachlorobutadiene	5.0000	3.7912	24.2	50.0
0 2-Butanone	10.0000	9.2891	7.1	50.0
0 1,2-Dichloroethene (total)	10.0000	8.6385	13.6	50.0
0 cis-1,2-dichloroethene	5.0000	4.2721	14.6	50.0
0 2,2-Dichloropropane	5.0000	3.1117	37.8	50.0
0 Bromochloromethane	5.0000	4.4365	11.3	50.0
0 Chloroform	5.0000	4.3606	12.8	20.0
0 Tetrahydrofuran	5.0000	3.6256	27.5	50.0
0 1,1,1-Trichloroethane	5.0000	4.0107	19.8	50.0
0 1,1-Dichloropropene	5.0000	3.9922	20.2	50.0
0 Carbon Tetrachloride	5.0000	3.5609	28.8	50.0
0 1,2-Dichloroethane	5.0000	4.8562	2.9	50.0

MRL Closer

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b/UXC16430.D
Report Date: 04/26/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16430.D
Analysis Type: WATER

Injection Date: 25-APR-2007 19:59
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	5.9278	18.6	50.0	
0	Trichloroethene	5.0000	4.3243	13.5	50.0	
0	1,2-Dichloropropane	5.0000	4.5987	8.0	20.0	
0	1,2,4-Trichlorobenzene	5.0000	3.7479	25.0	50.0	
0	Dibromomethane	5.0000	4.4548	10.9	50.0	
0	Bromodichloromethane	5.0000	3.6367	27.3	50.0	
0	2-Chloroethyl vinyl ether	10.0000	7.8171	21.8	50.0	
0	cis-1,3-Dichloropropene	5.0000	3.1364	37.3	50.0	
0	4-Methyl-2-pentanone	10.0000	7.8301	21.7	50.0	
0	Toluene	5.0000	4.7867	4.3	20.0	
0	trans-1,3-Dichloropropene	5.0000	2.9520	40.9	50.0	
0	Ethyl Methacrylate	5.0000	3.4564	30.9	50.0	
0	1,1,2-Trichloroethane	5.0000	4.5632	8.7	50.0	
0	1,3-Dichloropropane	5.0000	4.8091	3.8	50.0	
0	Tetrachloroethene	5.0000	4.4077	11.8	50.0	
0	2-Hexanone	10.0000	7.1690	28.3	50.0	
0	Dibromochloromethane	5.0000	3.3177	33.6	50.0	
0	1,2-Dibromoethane	5.0000	4.3031	13.9	50.0	
0	Chlorobenzene	5.0000	4.5721	8.6	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	3.8033	23.9	50.0	
0	Ethylbenzene	5.0000	4.2775	14.4	20.0	
0	m + p-Xylene	10.0000	8.1578	18.4	50.0	
0	Xylenes (total)	15.0000	12.3475	17.7	50.0	
0	Xylene-o	5.0000	4.1897	16.2	50.0	
0	Styrene	5.0000	3.7001	26.0	50.0	
0	Bromoform	5.0000	2.6978	46.0	50.0	
0	Isopropylbenzene	5.0000	3.9062	21.9	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	4.4936	10.1	50.0	
0	1,4-Dichloro-2-butene	5.0000	2.3422	53.2	50.0	<-
0	1,2,3-Trichloropropane	5.0000	4.8285	3.4	50.0	
0	Bromobenzene	5.0000	4.3182	13.6	50.0	
0	n-Propylbenzene	5.0000	4.4454	11.1	50.0	
0	2-Chlorotoluene	5.0000	4.4720	10.6	50.0	
0	1,3,5-Trimethylbenzene	5.0000	4.1042	17.9	50.0	
0	4-Chlorotoluene	5.0000	4.3108	13.8	50.0	
0	tert-Butylbenzene	5.0000	4.0393	19.2	50.0	
0	1,2,4-Trimethylbenzene	5.0000	4.0459	19.1	50.0	
0	sec-Butylbenzene	5.0000	4.1669	16.7	50.0	
0	4-Isopropyltoluene	5.0000	3.9386	21.2	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b/UXC16430.D
Report Date: 04/26/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16430.D
Analysis Type: WATER

Injection Date: 25-APR-2007 19:59
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.5912	8.2	50.0	
0	1,4-Dichlorobenzene	5.0000	4.6594	6.8	50.0	
0	n-Butylbenzene	5.0000	3.7957	24.1	50.0	
0	1,2-Dichlorobenzene	5.0000	4.3725	12.5	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	3.4494	31.0	50.0	
0	1,3,5-Trichlorobenzene	5.0000	3.8721	22.6	50.0	
51	Acetonitrile	50.0000	52.3020	4.6	50.0	
59	1,4-Dioxane	250.0000	196.7454	21.3	50.0	
124	tert-Butyl Alcohol	100.0000	76.2686	23.7	50.0	
0	1,2-Dichloroethane-d4	5.0000	49.4658	889.3	50.0	<-
0	Dibromofluoromethane	5.0000	45.3718	807.4	50.0	<-
0	Toluene-d8	5.0000	48.6689	873.4	50.0	<-
0	Bromofluorobenzene	5.0000	41.9408	738.8	50.0	<-

Method Blank Outlier Report

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN

Analysis Method : 8260B **Analysis Date :** 04/25/2007

Preparation Type : 5030B **Preparation Date :** 04/25/2007

Method Blank Lab Sample ID : A7D250000132B **Preparation Batch :** 7115132

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.53	2.0	ug/L	J	Common Contaminant

less than 1/2 MRL acceptable per LCG, no qual AM 6/14/07

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-004C-0405-G	A7D200101015	1	0.29	J B	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101005	1	0.23	J B	ug/L
FWGEQUIPRinse4-0459C-G	A7D200101023	1	0.28	J B	ug/L
FWGTRIP TEAM 10418	A7D200101027	1	0.81	J B	ug/L
FWGTRIP-TEAM 1	A7D200101028	1	0.31	J B	ug/L
FWGTRIP-TEAM 2	A7D200101029	1	0.29	J B	ug/L
FWGTRIP-TEAM 3	A7D200101030	1	0.34	J B	ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVKX91AA **Matrix.....:** WATER
MB Lot-Sample #: A7D250000-132

Prep Date.....: 04/25/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/25/07 **Prep Batch #...:** 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	**0.53 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 Work Order #...: JVKX91AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Toluene-d8	97	(50 - 150)		
4-Bromofluorobenzene	82	(50 - 150)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

QC Outlier Report: Trip Blank

Lab Reporting Batch : A7D200101
Lab ID: STLCAN
Method/Preparation Batch : 7115132 / 7115132
Analysis Date : 04/25/2007
Client Sample ID : FWGTRIP-TEAM 1
Preparation Date : 04/25/2007
Lab Sample ID : A7D200101028
Preparation Type : 5030B

Analysis Method : 8260B

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	0.31	2.0	ug/L	J B	Common Contaminant

Methylene chloride contamination found in the trip blank did not qualify any samples.

Methylene chloride Team 2	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	0.29	2.0	ug/L	J B	Common Contaminant

Result less than 1/2 MRL acceptable per LCG NO qual. ptn 4/13/07

Methylene chloride was qualified due to trip blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-004C-0405-G	A7D200101015	1	0.29	J B	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101005	1	0.23	J B	ug/L

Methylene chloride Team 3	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	0.34	2.0	ug/L	J B	Common Contaminant

Result less than 1/2 MRL acceptable per LCG NO qual ptn 4/14/07

Methylene chloride was qualified due to trip blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGEQUIPRinse4-0459C-G	A7D200101023	1	0.28	J B	ug/L

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVKX91AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D250000-132 JVKX91AD-LCSD
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	90	(75 - 127)			SW846 8260B
	98	(75 - 127)	8.2	(0-30)	SW846 8260B
Chloromethane	81	(58 - 135)			SW846 8260B
	84	(58 - 135)	3.2	(0-30)	SW846 8260B
Bromomethane	83	(35 - 153)			SW846 8260B
	81	(35 - 153)	1.6	(0-30)	SW846 8260B
Vinyl chloride	91	(73 - 134)			SW846 8260B
	93	(73 - 134)	2.1	(0-30)	SW846 8260B
Chloroethane	85	(72 - 129)			SW846 8260B
	87	(72 - 129)	2.2	(0-30)	SW846 8260B
Methylene chloride	91	(69 - 118)			SW846 8260B
	95	(69 - 118)	4.9	(0-30)	SW846 8260B
Acetone	77	(51 - 157)			SW846 8260B
	68	(51 - 157)	12	(0-30)	SW846 8260B
Carbon disulfide	91	(74 - 123)			SW846 8260B
	94	(74 - 123)	2.5	(0-30)	SW846 8260B
1,1-Dichloroethene	**93**	**(75 - 125)**			**SW846 8260B**
	95	**(75 - 125)**	**2.3**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	93	(75 - 133)			SW846 8260B
	100	(75 - 133)	7.3	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	90	(85 - 111)			SW846 8260B
	96	(85 - 111)	7.0	(0-30)	SW846 8260B
Chloroform	92	(74 - 127)			SW846 8260B
	100	(74 - 127)	8.2	(0-30)	SW846 8260B
1,2-Dichloroethane	96	(67 - 132)			SW846 8260B
	105	(67 - 132)	8.9	(0-30)	SW846 8260B
2-Butanone	99	(45 - 150)			SW846 8260B
	99	(45 - 150)	0.71	(0-30)	SW846 8260B
1,1,1-Trichloroethane	90	(70 - 127)			SW846 8260B
	92	(70 - 127)	2.5	(0-30)	SW846 8260B
Carbon tetrachloride	94	(71 - 132)			SW846 8260B
	99	(71 - 132)	5.1	(0-30)	SW846 8260B
Bromodichloromethane	92	(70 - 130)			SW846 8260B
	98	(70 - 130)	5.9	(0-30)	SW846 8260B
1,2-Dichloropropane	94	(75 - 127)			SW846 8260B
	101	(75 - 127)	7.6	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVKX91AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D250000-132 JVKX91AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	78	(73 - 132)			SW846 8260B
	85	(73 - 132)	8.3	(0-30)	SW846 8260B
Trichloroethene	**92**	**(67 - 128)**			**SW846 8260B**
	98	**(67 - 128)**	**7.1**	**(0-30)**	**SW846 8260B**
Dibromochloromethane	84	(74 - 145)			SW846 8260B
	94	(74 - 145)	11	(0-30)	SW846 8260B
1,1,2-Trichloroethane	88	(75 - 136)			SW846 8260B
	93	(75 - 136)	5.7	(0-30)	SW846 8260B
Benzene	**92**	**(75 - 126)**			**SW846 8260B**
	98	**(75 - 126)**	**6.2**	**(0-30)**	**SW846 8260B**
trans-1,3-Dichloropropene	78	(74 - 131)			SW846 8260B
	88	(74 - 131)	12	(0-30)	SW846 8260B
Bromoform	73	(72 - 136)			SW846 8260B
	76	(72 - 136)	5.0	(0-30)	SW846 8260B
4-Methyl-2-pentanone	87	(59 - 150)			SW846 8260B
	91	(59 - 150)	4.6	(0-30)	SW846 8260B
2-Hexanone	87	(53 - 139)			SW846 8260B
	92	(53 - 139)	6.2	(0-30)	SW846 8260B
Tetrachloroethene	94	(75 - 129)			SW846 8260B
	101	(75 - 129)	7.4	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	90	(68 - 129)			SW846 8260B
	105	(68 - 129)	16	(0-30)	SW846 8260B
Toluene	**94**	**(75 - 125)**			**SW846 8260B**
	105	**(75 - 125)**	**11**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**93**	**(75 - 127)**			**SW846 8260B**
	100	**(75 - 127)**	**6.9**	**(0-30)**	**SW846 8260B**
Ethylbenzene	92	(75 - 120)			SW846 8260B
	96	(75 - 120)	4.8	(0-30)	SW846 8260B
Styrene	90	(75 - 130)			SW846 8260B
	95	(75 - 130)	6.1	(0-30)	SW846 8260B
Xylenes (total)	93	(90 - 114)			SW846 8260B
	98	(90 - 114)	5.3	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	89	(73 - 133)			SW846 8260B
	98	(73 - 133)	9.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	91	(75 - 134)			SW846 8260B
	95	(75 - 134)	4.0	(0-30)	SW846 8260B
n-Hexane	104	(69 - 129)			SW846 8260B
	100	(69 - 129)	4.4	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	77	(75 - 132)			SW846 8260B
	77	(75 - 132)	0.26	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVKX91AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D250000-132 JVKX91AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	90	(73 - 120)			SW846 8260B
	96	(73 - 120)	7.0	(0-30)	SW846 8260B
1,3-Dichlorobenzene	88	(75 - 122)			SW846 8260B
	98	(75 - 122)	11	(0-30)	SW846 8260B
1,4-Dichlorobenzene	89	(74 - 123)			SW846 8260B
	100	(74 - 123)	11	(0-30)	SW846 8260B
Dichlorodifluoromethane	97	(59 - 134)			SW846 8260B
	89	(59 - 134)	8.9	(0-30)	SW846 8260B
Freon 113	113	(50 - 150)			SW846 8260B
	107	(50 - 150)	6.0	(0-30)	SW846 8260B
Isopropylbenzene	100	(75 - 126)			SW846 8260B
	103	(75 - 126)	3.3	(0-30)	SW846 8260B
Methyl acetate	89	(60 - 140)			SW846 8260B
	91	(60 - 140)	2.4	(0-20)	SW846 8260B
Methylcyclohexane	99	(60 - 140)			SW846 8260B
	94	(60 - 140)	4.9	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	81	(59 - 129)			SW846 8260B
	85	(59 - 129)	5.0	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	82	(75 - 130)			SW846 8260B
	70 a	(75 - 130)	16	(0-30)	SW846 8260B
Trichlorofluoromethane	99	(68 - 133)			SW846 8260B
	97	(68 - 133)	1.5	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(50 - 150)
	95	(50 - 150)
1,2-Dichloroethane-d4	97	(50 - 150)
	93	(50 - 150)
Toluene-d8	100	(50 - 150)
	101	(50 - 150)
4-Bromofluorobenzene	89	(50 - 150)
	85	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16405.D
Report Date: 25-Apr-2007 11:02

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16405.D
Lab Smp Id: JVKX91AC
Inj Date : 25-APR-2007 10:19
Operator : 1754 Inst ID: a3ux15.i
Smp Info : LCS
Misc Info : C70425A,8260LLUX15,,1754,3
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\8260LLUX15.m
Meth Date : 25-Apr-2007 10:14 roachc Quant Type: ISTD
Cal Date : 17-APR-2007 13:39 Cal File: UXC16043.D
Als bottle: 3 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV23

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.578	5.577	(1.000)	1074442	50.0000	
* 2	Chlorobenzene-d5	117	8.246	8.246	(1.000)	815005	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	487022	50.0000	
$ 4	Dibromofluoromethane	113	4.996	4.996	(0.896)	216684	47.8909	9.578
$ 5	1,2-Dichloroethane-d4	65	5.281	5.281	(0.947)	251202	48.7185	9.744
$ 6	Toluene-d8	98	6.941	6.941	(0.842)	859490	49.7624	9.952
$ 7	Bromofluorobenzene	95	9.349	9.360	(1.134)	321642	44.7326	8.946
8	Dichlorodifluoromethane	85	1.617	1.617	(0.290)	200549	48.4845	9.697
9	Chloromethane	50	1.771	1.771	(0.318)	226455	40.6962	8.139
10	Vinyl Chloride	62	1.878	1.878	(0.337)	266961	45.6008	9.120
11	Bromomethane	94	2.222	2.221	(0.398)	177695	41.3209	8.264
12	Chloroethane	64	2.316	2.316	(0.415)	175805	42.6486	8.530
13	Trichlorofluoromethane	101	2.565	2.565	(0.460)	333546	49.4116	9.882
15	Acrolein	56	2.945	2.945	(0.528)	377144	642.415	128.48
16	Acetone	43	3.099	3.099	(0.556)	76493	38.2960	7.659
17	1,1-Dichloroethene	96	3.052	3.040	(0.547)	213841	46.4352	9.287
18	Freon-113	151	3.064	3.063	(0.549)	216994	56.6325	11.326
19	Iodomethane	142	3.182	3.182	(0.571)	360314	43.7325	8.746
20	Carbon Disulfide	76	3.253	3.253	(0.583)	625223	45.6963	9.139
21	Methylene Chloride	84	3.479	3.478	(0.624)	238363	45.3396	9.068

22 Acetonitrile	41	3.348	3.348 (0.600)	233567	495.639	99.128
23 Acrylonitrile	53	3.704	3.704 (0.664)	770753	495.945	99.189

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16405.D
Report Date: 25-Apr-2007 11:02

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.728	3.727	(0.668)	579127	40.4471	8.089
	25 trans-1,2-Dichloroethene	96	3.728	3.727	(0.668)	243340	45.7328	9.146
	26 Hexane	86	3.965	3.965	(0.711)	54984	52.2297	10.446
	27 Vinyl acetate	43	4.143	4.131	(0.743)	623645	108.205	21.641
	28 1,1-Dichloroethane	63	4.095	4.095	(0.734)	382599	46.5570	9.311
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.605	4.605	(0.826)	90138	49.3223	9.864
M	31 1,2-Dichloroethene (total)	96				489420	90.0090	18.002
	32 cis-1,2-dichloroethene	96	4.593	4.593	(0.824)	246080	44.2762	8.855
	33 2,2-Dichloropropane	77	4.593	4.593	(0.824)	253665	38.3902	7.678
	34 Bromochloromethane	128	4.795	4.795	(0.860)	123493	45.5491	9.110
	35 Chloroform	83	4.854	4.854	(0.870)	389508	45.9623	9.192
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	5.032	5.032	(0.902)	340680	44.9504	8.990
	38 1,1-Dichloropropene	75	5.162	5.162	(0.926)	300115	46.1949	9.239
	39 Carbon Tetrachloride	117	5.174	5.174	(0.928)	312474	47.0936	9.419
	40 1,2-Dichloroethane	62	5.352	5.352	(0.960)	307253	48.0197	9.604
	41 Benzene	78	5.340	5.340	(0.957)	956391	45.9412	9.188
	42 Trichloroethene	130	5.886	5.886	(1.055)	259314	45.7846	9.157
	43 1,2-Dichloropropane	63	6.076	6.075	(1.089)	205093	46.9725	9.394
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	6.182	6.182	(1.108)	139049	48.2945	9.659
	46 Bromodichloromethane	83	6.313	6.313	(1.132)	276097	45.9579	9.192
	47 2-Chloroethyl vinyl ether	63	6.550	6.562	(1.174)	108842	46.5303	9.306
	48 cis-1,3-Dichloropropene	75	6.692	6.692	(1.200)	297244	39.0660	7.813
	49 4-Methyl-2-pentanone	43	6.823	6.823	(1.223)	170403	43.3748	8.675
	50 Toluene	91	7.001	7.000	(0.849)	994746	47.0881	9.418
	51 trans-1,3-Dichloropropene	75	7.178	7.178	(0.871)	259027	39.2441	7.849
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	7.344	7.344	(0.891)	189275	43.9529	8.790
	54 1,3-Dichloropropane	76	7.499	7.498	(0.909)	337647	48.0421	9.608
	55 Tetrachloroethene	164	7.499	7.498	(0.909)	212101	47.0271	9.405
	56 2-Hexanone	43	7.570	7.570	(0.918)	116364	43.2688	8.654
	57 Dibromochloromethane	129	7.712	7.712	(0.935)	201263	42.0221	8.404
	58 1,2-Dibromoethane	107	7.831	7.831	(0.950)	198860	45.1123	9.022
	59 Chlorobenzene	112	8.281	8.281	(1.004)	686543	46.6388	9.328
	60 1,1,1,2-Tetrachloroethane	131	8.352	8.352	(1.013)	229765	43.1024	8.620
	61 Ethylbenzene	106	8.376	8.376	(1.016)	369957	45.8329	9.166
	62 m + p-Xylene	106	8.483	8.483	(1.029)	938636	92.8451	18.569
M	63 Xylenes (total)	106				1402247	138.792	27.758
	64 Xylene-o	106	8.862	8.862	(1.075)	463611	45.9472	9.189
	65 Styrene	104	8.862	8.862	(1.075)	755477	44.8427	8.968
	66 Bromoform	173	9.052	9.052	(1.098)	135682	36.2803	7.256
	67 Isopropylbenzene	105	9.206	9.206	(1.116)	1210886	49.9114	9.982
	68 1,1,2,2-Tetrachloroethane	83	9.479	9.479	(0.904)	289125	44.8635	8.973
	69 1,4-Dichloro-2-butene	53	9.598	9.538	(0.915)	6102	3.41080	0.6822
	70 1,2,3-Trichloropropane	110	9.526	9.526	(0.908)	98613	47.4425	9.488
	71 Bromobenzene	156	9.515	9.514	(0.907)	310471	41.8752	8.375
	72 n-Propylbenzene	120	9.598	9.597	(0.915)	353367	44.4992	8.900
	73 2-Chlorotoluene	126	9.692	9.692	(0.924)	302498	42.8574	8.571
	74 1,3,5-Trimethylbenzene	105	9.764	9.763	(0.931)	1023183	43.3509	8.670
	75 4-Chlorotoluene	126	9.799	9.799	(0.934)	314437	44.3052	8.861

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16406.D
Report Date: 25-Apr-2007 11:01

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16406.D
Lab Smp Id: LCSD
Inj Date : 25-APR-2007 10:43
Operator : 1754 Inst ID: a3ux15.i
Smp Info : LCSD
Misc Info : C70425A,8260LLUX15,,1754,3
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\8260LLUX15.m
Meth Date : 25-Apr-2007 10:14 roachc Quant Type: ISTD
Cal Date : 17-APR-2007 13:39 Cal File: UXC16043.D
Als bottle: 4 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV23

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.578	5.577	(1.000)	1070165	50.0000	
*	2 Chlorobenzene-d5	117	8.246	8.246	(1.000)	779418	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	394898	50.0000	
$	4 Dibromofluoromethane	113	4.996	4.996	(0.896)	214106	47.5102	9.502
$	5 1,2-Dichloroethane-d4	65	5.281	5.281	(0.947)	238701	46.4791	9.296
$	6 Toluene-d8	98	6.941	6.941	(0.842)	832263	50.3861	10.077
$	7 Bromofluorobenzene	95	9.360	9.360	(1.135)	291076	42.3300	8.466
	8 Dichlorodifluoromethane	85	1.617	1.617	(0.290)	182686	44.3425	8.868
	9 Chloromethane	50	1.771	1.771	(0.318)	232934	42.0279	8.406
	10 Vinyl Chloride	62	1.890	1.878	(0.339)	271457	46.5541	9.311
	11 Bromomethane	94	2.222	2.221	(0.398)	174251	40.6820	8.136
	12 Chloroethane	64	2.316	2.316	(0.415)	179095	43.6203	8.724
	13 Trichlorofluoromethane	101	2.565	2.565	(0.460)	327203	48.6656	9.733
	15 Acrolein	56	2.945	2.945	(0.528)	390279	667.446	133.49
	16 Acetone	43	3.087	3.099	(0.554)	69902	33.9419	6.788
	17 1,1-Dichloroethene	96	3.052	3.040	(0.547)	217939	47.5142	9.503
	18 Freon-113	151	3.064	3.063	(0.549)	203483	53.3185	10.664
	19 Iodomethane	142	3.182	3.182	(0.571)	383595	46.7443	9.349
	20 Carbon Disulfide	76	3.253	3.253	(0.583)	638472	46.8511	9.370
	21 Methylene Chloride	84	3.479	3.478	(0.624)	249426	47.6336	9.527

22 Acetonitrile	41	3.348	3.348 (0.600)	195199	415.876	83.175
23 Acrylonitrile	53	3.704	3.704 (0.664)	806317	520.902	104.18

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16406.D
Report Date: 25-Apr-2007 11:01

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.728	3.727	(0.668)	606561	42.5325	8.506
	25 trans-1,2-Dichloroethene	96	3.728	3.727	(0.668)	252317	47.6094	9.522
	26 Hexane	86	3.977	3.965	(0.713)	52378	49.9531	9.991
	27 Vinyl acetate	43	4.143	4.131	(0.743)	667371	116.255	23.251
	28 1,1-Dichloroethane	63	4.095	4.095	(0.734)	409803	50.0667	10.013
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.605	4.605	(0.826)	90421	49.6749	9.935
M	31 1,2-Dichloroethene (total)	96				522963	96.5003	19.300
	32 cis-1,2-dichloroethene	96	4.593	4.593	(0.824)	270646	48.8908	9.778
	33 2,2-Dichloropropane	77	4.593	4.593	(0.824)	265869	40.3980	8.080
	34 Bromochloromethane	128	4.795	4.795	(0.860)	130031	48.1522	9.630
	35 Chloroform	83	4.854	4.854	(0.870)	421231	49.9043	9.981
	36 Tetrahydrofuran	42	4.593	4.842	(0.824)	13783	10.1257	2.025
	37 1,1,1-Trichloroethane	97	5.032	5.032	(0.902)	347865	46.0818	9.216
	38 1,1-Dichloropropene	75	5.162	5.162	(0.926)	307475	47.5170	9.503
	39 Carbon Tetrachloride	117	5.174	5.174	(0.928)	327549	49.5629	9.912
	40 1,2-Dichloroethane	62	5.352	5.352	(0.960)	334430	52.4760	10.495
	41 Benzene	78	5.340	5.340	(0.957)	1013007	48.8553	9.771
	42 Trichloroethene	130	5.886	5.886	(1.055)	277357	49.1660	9.833
	43 1,2-Dichloropropane	63	6.076	6.075	(1.089)	220308	50.6588	10.132
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	6.182	6.182	(1.108)	139379	48.6026	9.720
	46 Bromodichloromethane	83	6.313	6.313	(1.132)	291776	48.7619	9.752
	47 2-Chloroethyl vinyl ether	63	6.550	6.562	(1.174)	109523	47.0086	9.402
	48 cis-1,3-Dichloropropene	75	6.692	6.692	(1.200)	321681	42.4466	8.489
	49 4-Methyl-2-pentanone	43	6.823	6.823	(1.223)	177735	45.4219	9.084
	50 Toluene	91	7.001	7.000	(0.849)	1059651	52.4508	10.490
	51 trans-1,3-Dichloropropene	75	7.178	7.178	(0.871)	278247	44.0808	8.816
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	7.344	7.344	(0.891)	191639	46.5337	9.307
	54 1,3-Dichloropropane	76	7.499	7.498	(0.909)	354368	52.7234	10.545
	55 Tetrachloroethene	164	7.499	7.498	(0.909)	218449	50.6460	10.129
	56 2-Hexanone	43	7.570	7.570	(0.918)	118450	46.0554	9.211
	57 Dibromochloromethane	129	7.712	7.712	(0.935)	214833	46.9035	9.381
	58 1,2-Dibromoethane	107	7.831	7.831	(0.950)	206354	48.9497	9.790
	59 Chlorobenzene	112	8.281	8.281	(1.004)	703562	49.9772	9.995
	60 1,1,1,2-Tetrachloroethane	131	8.341	8.352	(1.012)	233098	45.7242	9.145
	61 Ethylbenzene	106	8.376	8.376	(1.016)	371285	48.0976	9.620
	62 m + p-Xylene	106	8.483	8.483	(1.029)	951392	98.4036	19.681
M	63 Xylenes (total)	106				1414593	146.406	29.281
	64 Xylene-o	106	8.850	8.862	(1.073)	463201	48.0025	9.600
	65 Styrene	104	8.862	8.862	(1.075)	767959	47.6648	9.533
	66 Bromoform	173	9.052	9.052	(1.098)	136434	38.1471	7.629
	67 Isopropylbenzene	105	9.206	9.206	(1.116)	1196480	51.5694	10.314
	68 1,1,2,2-Tetrachloroethane	83	9.479	9.479	(0.904)	275385	52.7002	10.540
	69 1,4-Dichloro-2-butene	53	9.598	9.538	(0.915)	6183	4.26233	0.8525
	70 1,2,3-Trichloropropane	110	9.526	9.526	(0.908)	91839	54.4910	10.898
	71 Bromobenzene	156	9.515	9.514	(0.907)	305247	50.7752	10.155
	72 n-Propylbenzene	120	9.598	9.597	(0.915)	333555	51.8033	10.361
	73 2-Chlorotoluene	126	9.692	9.692	(0.924)	289182	50.5287	10.106
	74 1,3,5-Trimethylbenzene	105	9.764	9.763	(0.931)	947599	49.5146	9.903
	75 4-Chlorotoluene	126	9.799	9.799	(0.934)	304382	52.8937	10.579

76	tert-Butylbenzene	119	10.084	10.084 (0.962)	851928	47.8052	9.561
77	1,2,4-Trimethylbenzene	105	10.131	10.131 (0.966)	975903	49.5252	9.905

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16406.D
Report Date: 25-Apr-2007 11:01

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78 sec-Butylbenzene	105	10.297	10.309	(0.982)	1177974	50.1882	10.038
79 4-Isopropyltoluene	119	10.439	10.439	(0.995)	1015288	50.3660	10.073
80 1,3-Dichlorobenzene	146	10.416	10.416	(0.993)	553402	48.9841	9.797
81 1,4-Dichlorobenzene	146	10.511	10.511	(1.002)	571256	49.8393	9.968
82 n-Butylbenzene	91	10.843	10.843	(1.034)	802836	48.2287	9.646
83 1,2-Dichlorobenzene	146	10.878	10.878	(1.037)	530852	47.9841	9.597
84 1,2-Dibromo-3-chloropropane	157	11.649	11.637	(1.111)	44018	38.3942	7.679
85 1,2,4-Trichlorobenzene	180	12.467	12.467	(1.189)	245782	35.1614	7.032
86 Hexachlorobutadiene	225	12.645	12.645	(1.206)	121773	38.4029	7.680
87 Naphthalene	128	12.716	12.716	(1.213)	504262	35.9451	7.189
88 1,2,3-Trichlorobenzene	180	12.965	12.965	(1.236)	238083	38.2899	7.658
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	3.372	3.372	(0.605)	14489	5.41462	1.083
92 Isopropyl Ether	87	4.154	4.154	(0.745)	213060	48.8321	9.766
93 2-Chloro-1,3-butadiene	53	4.143	4.178	(0.743)	11597	1.66964	0.3339
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.605	4.653	(0.826)	91708	28.0954	5.619
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	5.079	5.234	(0.616)	198390	1732.79	346.56
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	6.064	6.159	(1.087)	269000	90.1267	18.025
101 2-Nitropropane	41	6.550	6.502	(1.174)	5410	5.17006	1.034
103 Cyclohexanone	55	9.301	9.313	(0.887)	58135	242.904	48.581
98 Cyclohexane	56	5.079	5.079	(0.911)	362656	49.0288	9.806
143 Methyl Acetate	43	3.396	3.395	(0.609)	147284	45.4885	9.098
144 Methylcyclohexane	83	6.064	6.064	(1.087)	378037	46.9429	9.388
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
153 1,3-Butadiene	54	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7115132 **Analysis Method :** 8260B **Analysis Date :** 04/25/2007

Preparation Batch : 7115132 **Preparation Type :** 5030B **Preparation Date :** 04/25/2007

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGBKGmw-017C-0414	A7D200101013S	AQ	Acetone	58		0.00	70.00	130.00	20.00
			Bromoform	64		0.00	70.00	130.00	20.00
			Bromomethane [6]	68		0.00	70.00	130.00	20.00
			Chloromethane [4]	67		0.00	70.00	130.00	20.00
			cis-1,3-Dichloropropene	68		0.00	70.00	130.00	20.00
FWGBKGmw-017C-0414	A7D200101013D		1,1-Dichloroethene [5]		22	0.00	70.00	130.00	20.00
			Acetone	60		0.00	70.00	130.00	20.00
			Carbon disulfide [3]		21	0.00	70.00	130.00	20.00
			Carbon tetrachloride [2]		21	0.00	70.00	130.00	20.00
			Vinyl chloride [1]		22	0.00	70.00	130.00	20.00
FWGBKGmw-021C-0418	A7D200101009S		Acetone	61		0.00	70.00	130.00	20.00
			Bromoform	65		0.00	70.00	130.00	20.00
			Chloromethane [4]	69		0.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene	69		0.00	70.00	130.00	20.00
FWGBKGmw-021C-0418	A7D200101009D		Acetone	65		0.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene		21	0.00	70.00	130.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGBKGmw-017C-0414-GW	A7D200101013
FWGBKGmw-021C-0418-GW	A7D200101009

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AD-MSD
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	82	(60 - 140)			SW846 8260B
	95	(60 - 140)	16	(0-20)	SW846 8260B
Chloromethane	69	(41 - 125)			SW846 8260B
	80	(41 - 125)	15	(0-30)	SW846 8260B
Bromomethane	74	(53 - 155)			SW846 8260B
	88	(53 - 155)	17	(0-30)	SW846 8260B
Vinyl chloride	79	(52 - 122)			SW846 8260B
	92	(52 - 122)	16	(0-30)	SW846 8260B
Chloroethane	76	(62 - 140)			SW846 8260B
	87	(62 - 140)	13	(0-30)	SW846 8260B
Methylene chloride	77	(70 - 129)			SW846 8260B
	91	(70 - 129)	17	(0-30)	SW846 8260B
Acetone	61	(10 - 166)			SW846 8260B
	65	(10 - 166)	6.1	(0-32)	SW846 8260B
Carbon disulfide	73	(66 - 135)			SW846 8260B
	87	(66 - 135)	17	(0-31)	SW846 8260B
1,1-Dichloroethene	**81**	**(57 - 138)**			**SW846 8260B**
	93	**(57 - 138)**	**14**	**(0-15)**	**SW846 8260B**
1,1-Dichloroethane	81 a	(84 - 121)			SW846 8260B
	96	(84 - 121)	17	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	78 a	(80 - 115)			SW846 8260B
	92	(80 - 115)	16	(0-30)	SW846 8260B
Chloroform	84 a	(85 - 124)			SW846 8260B
	96	(85 - 124)	14	(0-30)	SW846 8260B
1,2-Dichloroethane	89	(84 - 126)			SW846 8260B
	101	(84 - 126)	13	(0-30)	SW846 8260B
2-Butanone	93	(52 - 152)			SW846 8260B
	105	(52 - 152)	12	(0-30)	SW846 8260B
1,1,1-Trichloroethane	78	(78 - 128)			SW846 8260B
	92	(78 - 128)	17	(0-30)	SW846 8260B
Carbon tetrachloride	80	(80 - 125)			SW846 8260B
	96	(80 - 125)	18	(0-30)	SW846 8260B
Bromodichloromethane	81 a	(86 - 127)			SW846 8260B
	95	(86 - 127)	16	(0-30)	SW846 8260B
1,2-Dichloropropane	85	(83 - 121)			SW846 8260B
	97	(83 - 121)	13	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	70 a	(86 - 122)			SW846 8260B
	81 a	(86 - 122)	14	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**80**	**(58 - 141)**			**SW846 8260B**
	97 p	**(58 - 141)**	**19**	**(0-17)**	**SW846 8260B**
Dibromochloromethane	76 a	(85 - 124)			SW846 8260B
	87	(85 - 124)	13	(0-30)	SW846 8260B
1,1,2-Trichloroethane	84 a	(88 - 119)			SW846 8260B
	95	(88 - 119)	11	(0-30)	SW846 8260B
Benzene	**81**	**(73 - 123)**			**SW846 8260B**
	95 p	**(73 - 123)**	**16**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	69 a	(85 - 120)			SW846 8260B
	85	(85 - 120)	21	(0-30)	SW846 8260B
Bromoform	65 a	(79 - 135)			SW846 8260B
	76 a	(79 - 135)	16	(0-30)	SW846 8260B
4-Methyl-2-pentanone	81	(74 - 140)			SW846 8260B
	95	(74 - 140)	16	(0-30)	SW846 8260B
2-Hexanone	82	(57 - 148)			SW846 8260B
	95	(57 - 148)	15	(0-31)	SW846 8260B
Tetrachloroethene	85	(75 - 116)			SW846 8260B
	98	(75 - 116)	14	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	88	(74 - 144)			SW846 8260B
	96	(74 - 144)	8.5	(0-30)	SW846 8260B
Toluene	**86**	**(67 - 129)**			**SW846 8260B**
	100 p	**(67 - 129)**	**16**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**83**	**(70 - 122)**			**SW846 8260B**
	96 p	**(70 - 122)**	**15**	**(0-14)**	**SW846 8260B**
Ethylbenzene	85 a	(86 - 113)			SW846 8260B
	96	(86 - 113)	12	(0-30)	SW846 8260B
Styrene	80 a	(87 - 115)			SW846 8260B
	94	(87 - 115)	16	(0-30)	SW846 8260B
Xylenes (total)	82 a	(88 - 114)			SW846 8260B
	97	(88 - 114)	16	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	79 a	(82 - 116)			SW846 8260B
	93	(82 - 116)	16	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	77	(77 - 115)			SW846 8260B
	91	(77 - 115)	17	(0-30)	SW846 8260B
n-Hexane	101	(57 - 129)			SW846 8260B
	109	(57 - 129)	7.9	(0-30)	SW846 8260B
Cyclohexane	89	(60 - 140)			SW846 8260B
	103	(60 - 140)	15	(0-20)	SW846 8260B
1,2-Dibromo-3-chloro-propane	75	(60 - 140)			SW846 8260B
	88	(60 - 140)	16	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	85	(60 - 140)			SW846 8260B
	95	(60 - 140)	10	(0-20)	SW846 8260B
1,3-Dichlorobenzene	84	(60 - 140)			SW846 8260B
	95	(60 - 140)	12	(0-20)	SW846 8260B
1,4-Dichlorobenzene	85	(60 - 140)			SW846 8260B
	95	(60 - 140)	11	(0-20)	SW846 8260B
Dichlorodifluoromethane	81	(60 - 140)			SW846 8260B
	99	(60 - 140)	19	(0-20)	SW846 8260B
Freon 113	99	(60 - 140)			SW846 8260B
	115	(60 - 140)	15	(0-20)	SW846 8260B
Isopropylbenzene	88	(60 - 140)			SW846 8260B
	106	(60 - 140)	19	(0-20)	SW846 8260B
Methyl acetate	85	(60 - 140)			SW846 8260B
	90	(60 - 140)	6.0	(0-20)	SW846 8260B
Methylcyclohexane	91	(60 - 140)			SW846 8260B
	106	(60 - 140)	14	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	72	(60 - 140)			SW846 8260B
	82	(60 - 140)	13	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	78	(60 - 140)			SW846 8260B
	88	(60 - 140)	12	(0-20)	SW846 8260B
Trichlorofluoromethane	87	(60 - 140)			SW846 8260B
	102	(60 - 140)	16	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
	96	(50 - 150)
1,2-Dichloroethane-d4	100	(50 - 150)
	98	(50 - 150)
Toluene-d8	99	(50 - 150)
	100	(50 - 150)
4-Bromofluorobenzene	88	(50 - 150)
	90	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16415.D
Report Date: 25-Apr-2007 14:27

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16415.D
Lab Smp Id: JVAJ71AD Client Smp ID: FWGBKGmw-021C-0418-
Inj Date : 25-APR-2007 14:11 ATD20010095
Operator : 1754 Inst ID: a3ux15.i
Smp Info : JVAJ71AD,5ML/5ML
Misc Info : C70425A,8260LLUX15,,1754
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\8260LLUX15.m
Meth Date : 25-Apr-2007 11:51 roachc Quant Type: ISTD
Cal Date : 17-APR-2007 13:39 Cal File: UXC16043.D
Als bottle: 13 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.577	5.577	(1.000)	1081356	50.0000	
*	2 Chlorobenzene-d5	117	8.246	8.246	(1.000)	818038	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	478932	50.0000	
$	4 Dibromofluoromethane	113	4.996	4.996	(0.896)	217707	47.8093	9.562
$	5 1,2-Dichloroethane-d4	65	5.281	5.281	(0.947)	255175	49.1726	9.834
$	6 Toluene-d8	98	6.941	6.941	(0.842)	869888	50.1777	10.036
$	7 Bromofluorobenzene	95	9.360	9.360	(1.135)	326285	45.2101	9.042
	8 Dichlorodifluoromethane	85	1.605	1.617	(0.288)	205105	49.2689	9.854
	9 Chloromethane	50	1.759	1.771	(0.315)	222933	39.8071	7.961
	10 Vinyl Chloride	62	1.878	1.878	(0.337)	272197	46.1979	9.240
	11 Bromomethane	94	2.210	2.221	(0.396)	191185	44.1736	8.835
	12 Chloroethane	64	2.316	2.316	(0.415)	181335	43.7088	8.742
	13 Trichlorofluoromethane	101	2.565	2.565	(0.460)	346175	50.9545	10.191
	15 Acrolein	56	2.945	2.945	(0.528)	410921	695.474	139.09
	16 Acetone	43	3.087	3.099	(0.554)	68591	32.5422	6.508
	17 1,1-Dichloroethene	96	3.040	3.040	(0.545)	216170	46.6408	9.328
	18 Freon-113	151	3.063	3.063	(0.549)	222403	57.6730	11.535
	19 Iodomethane	142	3.182	3.182	(0.571)	370714	44.7071	8.941
	20 Carbon Disulfide	76	3.253	3.253	(0.583)	598583	43.4695	8.694
	21 Methylene Chloride	84	3.479	3.478	(0.624)	241639	45.6689	9.134

22 Acetonitrile	41	3.348	3.348 (0.600)	310628	654.951	130.99
23 Acrylonitrile	53	3.692	3.704 (0.662)	857260	548.081	109.62

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16415.D
Report Date: 25-Apr-2007 14:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.728	3.727	(0.668)	590809	40.9992	8.200
	25 trans-1,2-Dichloroethene	96	3.728	3.727	(0.668)	243107	45.3969	9.079
	26 Hexane	86	3.965	3.965	(0.711)	57994	54.7367	10.947
	27 Vinyl acetate	43	4.143	4.131	(0.743)	673663	116.136	23.227
	28 1,1-Dichloroethane	63	4.095	4.095	(0.734)	396698	47.9640	9.593
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.605	4.605	(0.826)	96683	52.5654	10.513
M	31 1,2-Dichloroethene (total)	96				501880	91.6591	18.332
	32 cis-1,2-dichloroethene	96	4.593	4.593	(0.824)	258773	46.2623	9.252
	33 2,2-Dichloropropane	77	4.593	4.593	(0.824)	250360	37.6478	7.530
	34 Bromochloromethane	128	4.795	4.795	(0.860)	130204	47.7173	9.543
	35 Chloroform	83	4.854	4.854	(0.870)	409799	48.0475	9.610
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	5.020	5.032	(0.900)	350615	45.9655	9.193
	38 1,1-Dichloropropene	75	5.162	5.162	(0.926)	309955	47.4045	9.481
	39 Carbon Tetrachloride	117	5.174	5.174	(0.928)	319380	47.8267	9.565
	40 1,2-Dichloroethane	62	5.352	5.352	(0.960)	324502	50.3912	10.078
	41 Benzene	78	5.340	5.340	(0.957)	1000153	47.7362	9.547
	42 Trichloroethene	130	5.886	5.886	(1.055)	276535	48.5130	9.702
	43 1,2-Dichloropropane	63	6.076	6.075	(1.089)	213225	48.5227	9.704
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	6.182	6.182	(1.108)	140713	48.5600	9.712
	46 Bromodichloromethane	83	6.301	6.313	(1.130)	288437	47.7050	9.541
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.692	6.692	(1.200)	310450	40.5407	8.108
	49 4-Methyl-2-pentanone	43	6.823	6.823	(1.223)	188704	47.7260	9.545
	50 Toluene	91	7.000	7.000	(0.849)	1063651	50.1632	10.033
	51 trans-1,3-Dichloropropene	75	7.178	7.178	(0.871)	282041	42.5724	8.514
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	7.344	7.344	(0.891)	204490	47.3100	9.462
	54 1,3-Dichloropropane	76	7.499	7.498	(0.909)	358187	50.7757	10.155
	55 Tetrachloroethene	164	7.499	7.498	(0.909)	221713	48.9760	9.795
	56 2-Hexanone	43	7.570	7.570	(0.918)	128150	47.4746	9.495
	57 Dibromochloromethane	129	7.712	7.712	(0.935)	208808	43.4358	8.687
	58 1,2-Dibromoethane	107	7.831	7.831	(0.950)	211100	47.7114	9.542
	59 Chlorobenzene	112	8.281	8.281	(1.004)	712343	48.2120	9.642
	60 1,1,1,2-Tetrachloroethane	131	8.341	8.352	(1.012)	239561	44.7735	8.955
	61 Ethylbenzene	106	8.376	8.376	(1.016)	389876	48.1215	9.624
	62 m + p-Xylene	106	8.483	8.483	(1.029)	990634	97.6251	19.525
M	63 Xylenes (total)	106				1471439	145.100	29.020
	64 Xylene-o	106	8.850	8.862	(1.073)	480805	47.4745	9.495
	65 Styrene	104	8.862	8.862	(1.075)	794251	46.9694	9.394
	66 Bromoform	173	9.052	9.052	(1.098)	142546	37.9744	7.595
	67 Isopropylbenzene	105	9.206	9.206	(1.116)	1296087	53.2252	10.645
	68 1,1,2,2-Tetrachloroethane	83	9.479	9.479	(0.904)	303860	47.9464	9.589
	69 1,4-Dichloro-2-butene	53	9.598	9.538	(0.915)	6661	3.78615	0.7572
	70 1,2,3-Trichloropropane	110	9.526	9.526	(0.908)	104851	51.2957	10.259
	71 Bromobenzene	156	9.514	9.514	(0.907)	331180	45.4229	9.084
	72 n-Propylbenzene	120	9.598	9.597	(0.915)	367993	47.1238	9.425
	73 2-Chlorotoluene	126	9.692	9.692	(0.924)	321134	46.2662	9.253
	74 1,3,5-Trimethylbenzene	105	9.764	9.763	(0.931)	1059699	45.6564	9.131
	75 4-Chlorotoluene	126	9.799	9.799	(0.934)	326414	46.7697	9.354

76 tert-Butylbenzene	119	10.084	10.084 (0.962)	960984	44.4630	8.893
77 1,2,4-Trimethylbenzene	105	10.131	10.131 (0.966)	1098995	45.9861	9.197

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16415.D
Report Date: 25-Apr-2007 14:27

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)	
78	sec-Butylbenzene	105	10.297	10.309	(0.982)	1351964	47.4943	9.499	
79	4-Isopropyltoluene	119	10.439	10.439	(0.995)	1184146	48.4355	9.687	
80	1,3-Dichlorobenzene	146	10.416	10.416	(0.993)	651487	47.5479	9.510	
81	1,4-Dichlorobenzene	146	10.511	10.511	(1.002)	662184	47.6355	9.527	
82	n-Butylbenzene	91	10.843	10.843	(1.034)	956611	47.3833	9.477	
83	1,2-Dichlorobenzene	146	10.878	10.878	(1.037)	635789	47.3857	9.477	
84	1,2-Dibromo-3-chloropropane	157	11.649	11.637	(1.111)	61485	44.2196	8.844	
85	1,2,4-Trichlorobenzene	180	12.467	12.467	(1.189)	371308	43.7987	8.760	
86	Hexachlorobutadiene	225	12.645	12.645	(1.206)	169272	44.0158	8.803	
87	Naphthalene	128	12.716	12.716	(1.213)	799664	47.0005	9.400	
88	1,2,3-Trichlorobenzene	180	12.965	12.965	(1.236)	351509	46.6126	9.322	
14	Dichlorofluoromethane	67	Compound Not Detected.						
89	Ethyl Ether	59	Compound Not Detected.						
91	3-Chloropropene	76	3.431	3.372	(0.615)	3967	1.46715	0.2934	
92	Isopropyl Ether	87	4.154	4.154	(0.745)	201990	45.8158	9.163	
93	2-Chloro-1,3-butadiene	53	4.024	4.178	(0.721)	10565	1.50532	0.3011	
94	Propionitrile	54	Compound Not Detected.						
95	Ethyl Acetate	43	4.688	4.653	(0.841)	6670	2.02226	0.4044	
96	Methacrylonitrile	41	Compound Not Detected.						
97	Isobutanol	41	5.079	5.234	(0.616)	217190	1808.82	361.76	
99	n-Butanol	56	Compound Not Detected.						
100	Methyl Methacrylate	41	6.064	6.159	(1.087)	288512	95.8835	19.177	
101	2-Nitropropane	41	Compound Not Detected.						
103	Cyclohexanone	55	9.301	9.313	(0.887)	74274	256.592	51.318	
98	Cyclohexane	56	5.079	5.079	(0.911)	386035	51.6494	10.330	
143	Methyl Acetate	43	3.384	3.395	(0.607)	147691	45.1421	9.028	
144	Methylcyclohexane	83	6.052	6.064	(1.085)	429780	52.8158	10.563	
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.						
153	1,3-Butadiene	54	2.103	1.925	(0.377)	419			(a)
146	2-Methylnaphthalene	142	Compound Not Detected.						

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16414.D
Report Date: 25-Apr-2007 14:04

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16414.D
Lab Smp Id: JVAJ71AC Client Smp ID: FWGBKGmw-021C-0418-A7D20010409D
Inj Date : 25-APR-2007 13:48
Operator : 1754 Inst ID: a3ux15.i
Smp Info : JVAJ71AC,5ML/5ML
Misc Info : C70425A,8260LLUX15,,1754
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\8260LLUX15.m
Meth Date : 25-Apr-2007 11:51 roachc Quant Type: ISTD
Cal Date : 17-APR-2007 13:39 Cal File: UXC16043.D
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.577	5.577	(1.000)	1108730	50.0000	
*	2 Chlorobenzene-d5	117	8.246	8.246	(1.000)	843149	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	471961	50.0000	
$	4 Dibromofluoromethane	113	4.996	4.996	(0.896)	220027	47.1259	9.425
$	5 1,2-Dichloroethane-d4	65	5.281	5.281	(0.947)	264742	49.7566	9.951
$	6 Toluene-d8	98	6.941	6.941	(0.842)	881300	49.3219	9.864
$	7 Bromofluorobenzene	95	9.348	9.360	(1.134)	326885	43.9443	8.789
	8 Dichlorodifluoromethane	85	1.605	1.617	(0.288)	173117	40.5583	8.112
	9 Chloromethane	50	1.771	1.771	(0.318)	197233	34.3486	6.870
	10 Vinyl Chloride	62	1.878	1.878	(0.337)	238329	39.4511	7.890
	11 Bromomethane	94	2.221	2.221	(0.398)	165024	37.1876	7.438
	12 Chloroethane	64	2.316	2.316	(0.415)	162541	38.2114	7.642
	13 Trichlorofluoromethane	101	2.565	2.565	(0.460)	301683	43.3093	8.662
	15 Acrolein	56	2.945	2.945	(0.528)	364569	601.791	120.36
	16 Acetone	43	3.087	3.099	(0.554)	67461	30.6259	6.125
	17 1,1-Dichloroethene	96	3.040	3.040	(0.545)	193140	40.6430	8.128
	18 Freon-113	151	3.063	3.063	(0.549)	195407	49.4214	9.884
	19 Iodomethane	142	3.182	3.182	(0.571)	322527	37.9356	7.587
	20 Carbon Disulfide	76	3.253	3.253	(0.583)	518781	36.7441	7.349
	21 Methylene Chloride	84	3.478	3.478	(0.624)	209231	38.5676	7.714

22 Acetonitrile	41	3.348	3.348 (0.600)	257326	529.169	105.83
23 Acrylonitrile	53	3.704	3.704 (0.664)	754122	470.237	94.047

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16414.D
Report Date: 25-Apr-2007 14:04

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
24	Methyl tert-butyl ether	73	3.727	3.727	(0.668)	529869	35.8624	7.172
25	trans-1,2-Dichloroethene	96	3.727	3.727	(0.668)	211219	38.4684	7.694
26	Hexane	86	3.965	3.965	(0.711)	54928	50.5629	10.112
27	Vinyl acetate	43	4.143	4.131	(0.743)	584578	98.2904	19.658
28	1,1-Dichloroethane	63	4.095	4.095	(0.734)	342776	40.4212	8.084
29	tert-Butyl Alcohol	59	Compound Not Detected.					
30	2-Butanone	43	4.605	4.605	(0.826)	87557	46.4284	9.286
M 31	1,2-Dichloroethene (total)	96				437803	77.9760	15.595
32	cis-1,2-dichloroethene	96	4.593	4.593	(0.824)	226584	39.5075	7.902
33	2,2-Dichloropropane	77	4.593	4.593	(0.824)	222843	32.6826	6.536
34	Bromochloromethane	128	4.795	4.795	(0.860)	114092	40.7802	8.156
35	Chloroform	83	4.854	4.854	(0.870)	366591	41.9203	8.384
36	Tetrahydrofuran	42	4.593	4.842	(0.824)	15279	10.8343	2.167
37	1,1,1-Trichloroethane	97	5.032	5.032	(0.902)	303918	38.8598	7.772
38	1,1-Dichloropropene	75	5.162	5.162	(0.926)	274820	40.9932	8.199
39	Carbon Tetrachloride	117	5.174	5.174	(0.928)	273907	40.0045	8.001
40	1,2-Dichloroethane	62	5.352	5.352	(0.960)	293435	44.4418	8.888
41	Benzene	78	5.340	5.340	(0.957)	870013	40.4995	8.100
42	Trichloroethene	130	5.886	5.886	(1.055)	234243	40.0791	8.016
43	1,2-Dichloropropane	63	6.075	6.075	(1.089)	191874	42.5859	8.517
44	1,4-Dioxane	88	Compound Not Detected.					
45	Dibromomethane	93	6.182	6.182	(1.108)	125943	42.3898	8.478
46	Bromodichloromethane	83	6.301	6.313	(1.130)	252090	40.6641	8.133
47	2-Chloroethyl vinyl ether	63	Compound Not Detected.					
48	cis-1,3-Dichloropropene	75	6.692	6.692	(1.200)	275413	35.0774	7.015
49	4-Methyl-2-pentanone	43	6.823	6.823	(1.223)	164524	40.5832	8.117
50	Toluene	91	7.000	7.000	(0.849)	937124	42.8797	8.576
51	trans-1,3-Dichloropropene	75	7.178	7.178	(0.871)	234895	34.4000	6.880
52	Ethyl Methacrylate	69	Compound Not Detected.					
53	1,1,2-Trichloroethane	97	7.344	7.344	(0.891)	188232	42.2516	8.450
54	1,3-Dichloropropane	76	7.498	7.498	(0.909)	331099	45.5379	9.108
55	Tetrachloroethene	164	7.498	7.498	(0.909)	198603	42.5644	8.513
56	2-Hexanone	43	7.570	7.570	(0.918)	113520	40.8022	8.160
57	Dibromochloromethane	129	7.712	7.712	(0.935)	188876	38.1195	7.624
58	1,2-Dibromoethane	107	7.831	7.831	(0.950)	186053	40.7981	8.160
59	Chlorobenzene	112	8.281	8.281	(1.004)	628773	41.2885	8.258
60	1,1,1,2-Tetrachloroethane	131	8.340	8.352	(1.012)	208967	37.8924	7.578
61	Ethylbenzene	106	8.376	8.376	(1.016)	354583	42.4619	8.492
62	m + p-Xylene	106	8.483	8.483	(1.029)	861619	82.3821	16.476
M 63	Xylenes (total)	106				1292394	123.650	24.730
64	Xylene-o	106	8.862	8.862	(1.075)	430775	41.2678	8.254
65	Styrene	104	8.862	8.862	(1.075)	699511	40.1348	8.027
66	Bromoform	173	9.052	9.052	(1.098)	125789	32.5123	6.502
67	Isopropylbenzene	105	9.206	9.206	(1.116)	1106092	44.0701	8.814
68	1,1,2,2-Tetrachloroethane	83	9.479	9.479	(0.904)	274959	44.0269	8.805
69	1,4-Dichloro-2-butene	53	9.597	9.538	(0.915)	5649	3.25835	0.6517
70	1,2,3-Trichloropropane	110	9.526	9.526	(0.908)	95502	47.4120	9.482
71	Bromobenzene	156	9.514	9.514	(0.907)	287058	39.9529	7.990
72	n-Propylbenzene	120	9.597	9.597	(0.915)	319751	41.5509	8.310
73	2-Chlorotoluene	126	9.692	9.692	(0.924)	278070	40.6537	8.131
74	1,3,5-Trimethylbenzene	105	9.763	9.763	(0.931)	946106	41.3644	8.273
75	4-Chlorotoluene	126	9.799	9.799	(0.934)	283966	41.2886	8.258

76 tert-Butylbenzene	119	10.084	10.084 (0.962)	848248	39.8266	7.965
77 1,2,4-Trimethylbenzene	105	10.131	10.131 (0.966)	969982	41.1872	8.237

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16414.D
Report Date: 25-Apr-2007 14:04

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78 sec-Butylbenzene	105	10.297	10.309	(0.982)	1168419	41.6527	8.330
79 4-Isopropyltoluene	119	10.439	10.439	(0.995)	1034116	42.9236	8.585
80 1,3-Dichlorobenzene	146	10.416	10.416	(0.993)	569133	42.1509	8.430
81 1,4-Dichlorobenzene	146	10.511	10.511	(1.002)	585054	42.7086	8.542
82 n-Butylbenzene	91	10.843	10.843	(1.034)	819198	41.1762	8.235
83 1,2-Dichlorobenzene	146	10.878	10.878	(1.037)	564369	42.6840	8.537
84 1,2-Dibromo-3-chloropropane	157	11.649	11.637	(1.111)	51709	37.7381	7.548
85 1,2,4-Trichlorobenzene	180	12.467	12.467	(1.189)	324284	38.8169	7.763
86 Hexachlorobutadiene	225	12.645	12.645	(1.206)	143005	37.7349	7.547
87 Naphthalene	128	12.716	12.716	(1.213)	682684	40.7176	8.144
88 1,2,3-Trichlorobenzene	180	12.965	12.965	(1.236)	306885	41.2963	8.259
14 Dichlorofluoromethane	67	Compound Not Detected.					
89 Ethyl Ether	59	Compound Not Detected.					
91 3-Chloropropene	76	3.455	3.372	(0.619)	3796	1.36924	0.2738
92 Isopropyl Ether	87	4.154	4.154	(0.745)	179727	39.7596	7.952
93 2-Chloro-1,3-butadiene	53	4.107	4.178	(0.736)	7358	1.02250	0.2045
94 Propionitrile	54	Compound Not Detected.					
95 Ethyl Acetate	43	4.605	4.653	(0.826)	88829	26.2669	5.253
96 Methacrylonitrile	41	Compound Not Detected.					
97 Isobutanol	41	5.079	5.234	(0.616)	188531	1518.28	303.66
99 n-Butanol	56	Compound Not Detected.					
100 Methyl Methacrylate	41	6.064	6.159	(1.087)	250410	80.6169	16.123
101 2-Nitropropane	41	Compound Not Detected.					
103 Cyclohexanone	55	9.301	9.313	(0.887)	65403	228.036	45.607
98 Cyclohexane	56	5.079	5.079	(0.911)	340078	44.3772	8.875
143 Methyl Acetate	43	3.395	3.395	(0.609)	142603	42.5108	8.502
144 Methylcyclohexane	83	6.052	6.064	(1.085)	381310	45.7024	9.140
141 1,3,5-Trichlorobenzene	180	Compound Not Detected.					
153 1,3-Butadiene	54	Compound Not Detected.					
146 2-Methylnaphthalene	142	Compound Not Detected.					

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AD-MSD
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115132
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	85	(60 - 140)			SW846 8260B
	95	(60 - 140)	11	(0-20)	SW846 8260B
Chloromethane	67	(41 - 125)			SW846 8260B
	78	(41 - 125)	15	(0-30)	SW846 8260B
Bromomethane	68	(53 - 155)			SW846 8260B
	76	(53 - 155)	10	(0-30)	SW846 8260B
Vinyl chloride	73	(52 - 122)			SW846 8260B
	91	(52 - 122)	22	(0-30)	SW846 8260B
Chloroethane	72	(62 - 140)			SW846 8260B
	85	(62 - 140)	17	(0-30)	SW846 8260B
Methylene chloride	75	(70 - 129)			SW846 8260B
	91	(70 - 129)	20	(0-30)	SW846 8260B
Acetone	58	(10 - 166)			SW846 8260B
	60	(10 - 166)	3.8	(0-32)	SW846 8260B
Carbon disulfide	70	(66 - 135)			SW846 8260B
	87	(66 - 135)	21	(0-31)	SW846 8260B
1,1-Dichloroethene	**74**	**(57 - 138)**			**SW846 8260B**
	92 p	**(57 - 138)**	**22**	**(0-15)**	**SW846 8260B**
1,1-Dichloroethane	81 a	(84 - 121)			SW846 8260B
	97	(84 - 121)	19	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	78 a	(80 - 115)			SW846 8260B
	94	(80 - 115)	19	(0-30)	SW846 8260B
Chloroform	84 a	(85 - 124)			SW846 8260B
	98	(85 - 124)	16	(0-30)	SW846 8260B
1,2-Dichloroethane	91	(84 - 126)			SW846 8260B
	104	(84 - 126)	13	(0-30)	SW846 8260B
2-Butanone	90	(52 - 152)			SW846 8260B
	95	(52 - 152)	5.9	(0-30)	SW846 8260B
1,1,1-Trichloroethane	74 a	(78 - 128)			SW846 8260B
	89	(78 - 128)	18	(0-30)	SW846 8260B
Carbon tetrachloride	74 a	(80 - 125)			SW846 8260B
	91	(80 - 125)	21	(0-30)	SW846 8260B
Bromodichloromethane	84 a	(86 - 127)			SW846 8260B
	96	(86 - 127)	14	(0-30)	SW846 8260B
1,2-Dichloropropane	86	(83 - 121)			SW846 8260B
	96	(83 - 121)	11	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	68 a	(86 - 122)			SW846 8260B
	82 a	(86 - 122)	18	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**78**	**(58 - 141)**			**SW846 8260B**
	95 p	**(58 - 141)**	**19**	**(0-17)**	**SW846 8260B**
Dibromochloromethane	77 a	(85 - 124)			SW846 8260B
	91	(85 - 124)	17	(0-30)	SW846 8260B
1,1,2-Trichloroethane	85 a	(88 - 119)			SW846 8260B
	93	(88 - 119)	9.5	(0-30)	SW846 8260B
Benzene	**82**	**(73 - 123)**			**SW846 8260B**
	97 p	**(73 - 123)**	**16**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	70 a	(85 - 120)			SW846 8260B
	83 a	(85 - 120)	17	(0-30)	SW846 8260B
Bromoform	64 a	(79 - 135)			SW846 8260B
	74 a	(79 - 135)	15	(0-30)	SW846 8260B
4-Methyl-2-pentanone	80	(74 - 140)			SW846 8260B
	87	(74 - 140)	8.1	(0-30)	SW846 8260B
2-Hexanone	82	(57 - 148)			SW846 8260B
	91	(57 - 148)	9.6	(0-31)	SW846 8260B
Tetrachloroethene	80	(75 - 116)			SW846 8260B
	98	(75 - 116)	20	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	86	(74 - 144)			SW846 8260B
	99	(74 - 144)	15	(0-30)	SW846 8260B
Toluene	**86**	**(67 - 129)**			**SW846 8260B**
	100 p	**(67 - 129)**	**15**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**84**	**(70 - 122)**			**SW846 8260B**
	96	**(70 - 122)**	**14**	**(0-14)**	**SW846 8260B**
Ethylbenzene	80 a	(86 - 113)			SW846 8260B
	94	(86 - 113)	16	(0-30)	SW846 8260B
Styrene	78 a	(87 - 115)			SW846 8260B
	91	(87 - 115)	14	(0-30)	SW846 8260B
Xylenes (total)	82 a	(88 - 114)			SW846 8260B
	95	(88 - 114)	14	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	81 a	(82 - 116)			SW846 8260B
	94	(82 - 116)	16	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	75 a	(77 - 115)			SW846 8260B
	94	(77 - 115)	23	(0-30)	SW846 8260B
n-Hexane	73	(57 - 129)			SW846 8260B
	91	(57 - 129)	22	(0-30)	SW846 8260B
Cyclohexane	73	(60 - 140)			SW846 8260B
	93 p	(60 - 140)	23	(0-20)	SW846 8260B
1,2-Dibromo-3-chloro-propane	69	(60 - 140)			SW846 8260B
	70	(60 - 140)	1.3	(0-20)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	82	(60 - 140)			SW846 8260B
	90	(60 - 140)	9.3	(0-20)	SW846 8260B
1,3-Dichlorobenzene	79	(60 - 140)			SW846 8260B
	92	(60 - 140)	15	(0-20)	SW846 8260B
1,4-Dichlorobenzene	81	(60 - 140)			SW846 8260B
	93	(60 - 140)	14	(0-20)	SW846 8260B
Dichlorodifluoromethane	67	(60 - 140)			SW846 8260B
	87 p	(60 - 140)	25	(0-20)	SW846 8260B
Freon 113	84	(60 - 140)			SW846 8260B
	105 p	(60 - 140)	23	(0-20)	SW846 8260B
Isopropylbenzene	85	(60 - 140)			SW846 8260B
	101	(60 - 140)	17	(0-20)	SW846 8260B
Methyl acetate	77	(60 - 140)			SW846 8260B
	82	(60 - 140)	6.3	(0-20)	SW846 8260B
Methylcyclohexane	71	(60 - 140)			SW846 8260B
	90 p	(60 - 140)	24	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	70	(60 - 140)			SW846 8260B
	81	(60 - 140)	14	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	74	(60 - 140)			SW846 8260B
	70	(60 - 140)	5.1	(0-20)	SW846 8260B
Trichlorofluoromethane	73	(60 - 140)			SW846 8260B
	91 p	(60 - 140)	22	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
	93	(50 - 150)
1,2-Dichloroethane-d4	93	(50 - 150)
	93	(50 - 150)
Toluene-d8	98	(50 - 150)
	99	(50 - 150)
4-Bromofluorobenzene	86	(50 - 150)
	85	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16418.D
Report Date: 25-Apr-2007 15:36

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16418.D
Lab Smp Id: JVAKC1AC Client Smp ID: FWGBKGmw-017C-0414-
Inj Date : 25-APR-2007 15:21 AMD20070180135
Operator : 1754 Inst ID: a3ux15.i
Smp Info : JVAKC1AC,5ML/5ML
Misc Info : C70425A,8260LLUX15,,1754
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\8260LLUX15.m
Meth Date : 25-Apr-2007 11:51 roachc Quant Type: ISTD
Cal Date : 17-APR-2007 13:39 Cal File: UXC16043.D
Als bottle: 16 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.577	5.577	(1.000)	1111094	50.0000	
*	2 Chlorobenzene-d5	117	8.245	8.246	(1.000)	846988	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	490120	50.0000	
$	4 Dibromofluoromethane	113	4.996	4.996	(0.896)	218136	46.6214	9.324
$	5 1,2-Dichloroethane-d4	65	5.281	5.281	(0.947)	248267	46.5610	9.312
$	6 Toluene-d8	98	6.941	6.941	(0.842)	877825	48.9048	9.781
$	7 Bromofluorobenzene	95	9.348	9.360	(1.134)	320012	42.8253	8.565
	8 Dichlorodifluoromethane	85	1.617	1.617	(0.290)	144163	33.7030	6.740
	9 Chloromethane	50	1.771	1.771	(0.318)	192400	33.4356	6.687
	10 Vinyl Chloride	62	1.877	1.878	(0.337)	221811	36.6387	7.328
	11 Bromomethane	94	2.221	2.221	(0.398)	151817	34.1387	6.828
	12 Chloroethane	64	2.316	2.316	(0.415)	154120	36.1547	7.231
	13 Trichlorofluoromethane	101	2.565	2.565	(0.460)	254462	36.4526	7.290
	15 Acrolein	56	2.945	2.945	(0.528)	359729	592.538	118.51
	16 Acetone	43	3.099	3.099	(0.556)	64922	28.8362	5.767
	17 1,1-Dichloroethene	96	3.040	3.040	(0.545)	175449	36.8417	7.368
	18 Freon-113	151	3.063	3.063	(0.549)	165829	41.8514	8.370
	19 Iodomethane	142	3.182	3.182	(0.571)	323774	38.0012	7.600
	20 Carbon Disulfide	76	3.253	3.253	(0.583)	496203	35.0701	7.014
	21 Methylene Chloride	84	3.478	3.478	(0.624)	204230	37.5656	7.513

22 Acetonitrile	41	3.348	3.348 (0.600)	216981	445.254	89.051
23 Acrylonitrile	53	3.704	3.704 (0.664)	722722	449.699	89.940

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16418.D
Report Date: 25-Apr-2007 15:36

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.727	3.727	(0.668)	521448	35.2174	7.043
	25 trans-1,2-Dichloroethene	96	3.727	3.727	(0.668)	205630	37.3708	7.474
	26 Hexane	86	3.965	3.965	(0.711)	39666	36.4361	7.287
	27 Vinyl acetate	43	4.142	4.131	(0.743)	579999	97.3130	19.463
	28 1,1-Dichloroethane	63	4.095	4.095	(0.734)	342407	40.2918	8.058
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.605	4.605	(0.826)	84631	44.7813	8.956
M	31 1,2-Dichloroethene (total)	96				437584	77.7287	15.546
	32 cis-1,2-dichloroethene	96	4.593	4.593	(0.824)	231954	40.3578	8.072
	33 2,2-Dichloropropane	77	4.593	4.593	(0.824)	209661	30.6839	6.137
	34 Bromochloromethane	128	4.795	4.795	(0.860)	112530	40.1364	8.027
	35 Chloroform	83	4.854	4.854	(0.870)	366670	41.8402	8.368
	36 Tetrahydrofuran	42	4.593	4.842	(0.824)	12933	9.15121	1.830
	37 1,1,1-Trichloroethane	97	5.032	5.032	(0.902)	291042	37.1342	7.427
	38 1,1-Dichloropropene	75	5.162	5.162	(0.926)	260610	38.7909	7.758
	39 Carbon Tetrachloride	117	5.174	5.174	(0.928)	253825	36.9926	7.398
	40 1,2-Dichloroethane	62	5.352	5.352	(0.960)	300696	45.4447	9.089
	41 Benzene	78	5.340	5.340	(0.957)	886782	41.1923	8.238
	42 Trichloroethene	130	5.886	5.886	(1.055)	228777	39.0605	7.812
	43 1,2-Dichloropropane	63	6.075	6.075	(1.089)	194214	43.0135	8.603
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	6.182	6.182	(1.108)	127314	42.7600	8.552
	46 Bromodichloromethane	83	6.313	6.313	(1.132)	260213	41.8851	8.377
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.692	6.692	(1.200)	268836	34.1668	6.833
	49 4-Methyl-2-pentanone	43	6.822	6.823	(1.223)	163195	40.1697	8.034
	50 Toluene	91	7.000	7.000	(0.849)	939630	42.7995	8.560
	51 trans-1,3-Dichloropropene	75	7.178	7.178	(0.871)	241150	35.1560	7.031
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	7.344	7.344	(0.891)	189897	42.4322	8.486
	54 1,3-Dichloropropane	76	7.498	7.498	(0.909)	330549	45.2562	9.051
	55 Tetrachloroethene	164	7.498	7.498	(0.909)	188509	40.2180	8.044
	56 2-Hexanone	43	7.570	7.570	(0.918)	114948	41.1282	8.226
	57 Dibromochloromethane	129	7.712	7.712	(0.935)	191607	38.4954	7.699
	58 1,2-Dibromoethane	107	7.830	7.831	(0.950)	194134	42.3772	8.475
	59 Chlorobenzene	112	8.281	8.281	(1.004)	643535	42.0663	8.413
	60 1,1,1,2-Tetrachloroethane	131	8.352	8.352	(1.013)	211994	38.2670	7.653
	61 Ethylbenzene	106	8.376	8.376	(1.016)	336520	40.1162	8.023
	62 m + p-Xylene	106	8.483	8.483	(1.029)	859327	81.7906	16.358
M	63 Xylenes (total)	106				1290599	122.919	24.584
	64 Xylene-o	106	8.850	8.862	(1.073)	431272	41.1282	8.226
	65 Styrene	104	8.862	8.862	(1.075)	687158	39.2473	7.849
	66 Bromoform	173	9.052	9.052	(1.098)	124038	31.9144	6.383
	67 Isopropylbenzene	105	9.206	9.206	(1.116)	1073515	42.5782	8.516
	68 1,1,2,2-Tetrachloroethane	83	9.479	9.479	(0.904)	277601	42.8031	8.561
	69 1,4-Dichloro-2-butene	53	9.763	9.538	(0.931)	23743	13.1876	2.638
	70 1,2,3-Trichloropropane	110	9.526	9.526	(0.908)	90521	43.2742	8.655
	71 Bromobenzene	156	9.514	9.514	(0.907)	291974	39.1315	7.826
	72 n-Propylbenzene	120	9.597	9.597	(0.915)	309131	38.6825	7.736
	73 2-Chlorotoluene	126	9.692	9.692	(0.924)	277166	39.0202	7.804
	74 1,3,5-Trimethylbenzene	105	9.763	9.763	(0.931)	911997	38.3959	7.679
	75 4-Chlorotoluene	126	9.799	9.799	(0.934)	285923	40.0329	8.006

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16419.D
Report Date: 25-Apr-2007 15:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16419.D
Lab Smp Id: JVAKC1AD Client Smp ID: FWGBKGmw-017C-0414-A72001010130
Inj Date : 25-APR-2007 15:44
Operator : 1754 Inst ID: a3ux15.i
Smp Info : JVAKC1AD,5ML/5ML
Misc Info : C70425A,8260LLUX15,,1754
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\8260LLUX15.m
Meth Date : 25-Apr-2007 11:51 roachc Quant Type: ISTD
Cal Date : 17-APR-2007 13:39 Cal File: UXC16043.D
Als bottle: 17 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
* 1	Fluorobenzene	96	5.577	5.577	(1.000)	1084687	50.0000	
* 2	Chlorobenzene-d5	117	8.246	8.246	(1.000)	812954	50.0000	
* 3	1,4-Dichlorobenzene-d4	152	10.487	10.487	(1.000)	445206	50.0000	
$ 4	Dibromofluoromethane	113	4.996	4.996	(0.896)	212455	46.5127	9.302
$ 5	1,2-Dichloroethane-d4	65	5.293	5.281	(0.949)	242980	46.6788	9.336
$ 6	Toluene-d8	98	6.941	6.941	(0.842)	856755	49.7292	9.946
$ 7	Bromofluorobenzene	95	9.348	9.360	(1.134)	305165	42.5481	8.510
8	Dichlorodifluoromethane	85	1.617	1.617	(0.290)	181230	43.4001	8.680
9	Chloromethane	50	1.771	1.771	(0.318)	219356	39.0481	7.810
10	Vinyl Chloride	62	1.878	1.878	(0.337)	270110	45.7029	9.140
11	Bromomethane	94	2.221	2.221	(0.398)	164263	37.8366	7.567
12	Chloroethane	64	2.328	2.316	(0.417)	177831	42.7326	8.546
13	Trichlorofluoromethane	101	2.565	2.565	(0.460)	308637	45.2897	9.058
15	Acrolein	56	2.945	2.945	(0.528)	370395	624.960	124.99
16	Acetone	43	3.087	3.099	(0.554)	65033	29.9664	5.993
17	1,1-Dichloroethene	96	3.040	3.040	(0.545)	214563	46.1519	9.230
18	Freon-113	151	3.063	3.063	(0.549)	203235	52.5406	10.508
19	Iodomethane	142	3.182	3.182	(0.571)	381159	45.8256	9.165
20	Carbon Disulfide	76	3.253	3.253	(0.583)	600681	43.4879	8.698
21	Methylene Chloride	84	3.478	3.478	(0.624)	242706	45.7297	9.146

22 Acetonitrile	41	3.348	3.348 (0.600)	156962	329.934	65.987
23 Acrylonitrile	53	3.704	3.704 (0.664)	743190	473.693	94.738

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70425A.b\UXC16419.D
Report Date: 25-Apr-2007 15:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.727	3.727	(0.668)	586314	40.5623	8.112
	25 trans-1,2-Dichloroethene	96	3.727	3.727	(0.668)	251668	46.8512	9.370
	26 Hexane	86	3.965	3.965	(0.711)	48142	45.2985	9.060
	27 Vinyl acetate	43	4.142	4.131	(0.743)	651619	111.991	22.398
	28 1,1-Dichloroethane	63	4.095	4.095	(0.734)	403578	48.6460	9.729
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.605	4.605	(0.826)	87651	47.5084	9.502
M	31 1,2-Dichloroethene (total)	96				516414	94.0359	18.807
	32 cis-1,2-dichloroethene	96	4.593	4.593	(0.824)	264746	47.1847	9.437
	33 2,2-Dichloropropane	77	4.593	4.593	(0.824)	257497	38.6021	7.720
	34 Bromochloromethane	128	4.795	4.795	(0.860)	133498	48.7743	9.755
	35 Chloroform	83	4.854	4.854	(0.870)	419609	49.0466	9.809
	36 Tetrahydrofuran	42	4.593	4.842	(0.824)	14231	10.3148	2.063
	37 1,1,1-Trichloroethane	97	5.032	5.032	(0.902)	339225	44.3357	8.867
	38 1,1-Dichloropropene	75	5.162	5.162	(0.926)	304608	46.4437	9.289
	39 Carbon Tetrachloride	117	5.174	5.174	(0.928)	305194	45.5620	9.112
	40 1,2-Dichloroethane	62	5.352	5.352	(0.960)	335885	51.9987	10.400
	41 Benzene	78	5.340	5.340	(0.957)	1015320	48.3113	9.662
	42 Trichloroethene	130	5.886	5.886	(1.055)	271484	47.4806	9.496
	43 1,2-Dichloropropane	63	6.075	6.075	(1.089)	212055	48.1082	9.622
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	6.182	6.182	(1.108)	140655	48.3909	9.678
	46 Bromodichloromethane	83	6.313	6.313	(1.132)	291758	48.1061	9.621
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.692	6.692	(1.200)	313072	40.7576	8.152
	49 4-Methyl-2-pentanone	43	6.823	6.823	(1.223)	172750	43.5569	8.711
	50 Toluene	91	7.000	7.000	(0.849)	1050805	49.8673	9.973
	51 trans-1,3-Dichloropropene	75	7.178	7.178	(0.871)	273255	41.5042	8.301
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	7.344	7.344	(0.891)	200483	46.6730	9.335
	54 1,3-Dichloropropane	76	7.498	7.498	(0.909)	359431	51.2707	10.254
	55 Tetrachloroethene	164	7.498	7.498	(0.909)	220215	48.9493	9.790
	56 2-Hexanone	43	7.570	7.570	(0.918)	121521	45.3003	9.060
	57 Dibromochloromethane	129	7.712	7.712	(0.935)	217771	45.5836	9.117
	58 1,2-Dibromoethane	107	7.830	7.831	(0.950)	208660	47.4549	9.491
	59 Chlorobenzene	112	8.281	8.281	(1.004)	707135	48.1589	9.632
	60 1,1,1,2-Tetrachloroethane	131	8.352	8.352	(1.013)	238088	44.7765	8.955
	61 Ethylbenzene	106	8.376	8.376	(1.016)	380039	47.2007	9.440
	62 m + p-Xylene	106	8.483	8.483	(1.029)	949574	94.1640	18.833
M	63 Xylenes (total)	106				1428645	141.763	28.353
	64 Xylene-o	106	8.862	8.862	(1.075)	479071	47.5991	9.520
	65 Styrene	104	8.862	8.862	(1.075)	761220	45.2976	9.060
	66 Bromoform	173	9.052	9.052	(1.098)	138622	37.1599	7.432
	67 Isopropylbenzene	105	9.206	9.206	(1.116)	1223029	50.5391	10.108
	68 1,1,2,2-Tetrachloroethane	83	9.479	9.479	(0.904)	291769	49.5262	9.905
	69 1,4-Dichloro-2-butene	53	9.597	9.538	(0.915)	5280	3.22853	0.6457
	70 1,2,3-Trichloropropane	110	9.526	9.526	(0.908)	98725	51.9575	10.392
	71 Bromobenzene	156	9.514	9.514	(0.907)	313312	46.2276	9.246
	72 n-Propylbenzene	120	9.597	9.597	(0.915)	345251	47.5608	9.512
	73 2-Chlorotoluene	126	9.692	9.692	(0.924)	302669	46.9093	9.382
	74 1,3,5-Trimethylbenzene	105	9.763	9.763	(0.931)	989129	45.8443	9.169
	75 4-Chlorotoluene	126	9.799	9.799	(0.934)	313509	48.3236	9.665

A7D200101

VOA MS/MSD

Sample 9 result ND

MS result 9.5 $\frac{9.5-0}{10} = 95$

MSD result 8.2 $\frac{8.2-0}{10} = 82$

MS/MSD RPD = 14.7

Sample 13 result ND

MS result 8.0 %R = 80 RPD =

MSD result 9.8 %R = 98

GCMS SEMIVOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-001 Work Order #...: JVAJX1AC Matrix.....: WG
Date Sampled...: 04/18/07 16:55 Date Received..: 04/20/07
Prep Date.....: 04/23/07 Analysis Date..: 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 Initial Wgt/Vol: 1000 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-001 Work Order #...: JVAJX1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-001 Work Order #...: JVAJX1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(32 - 112)
2-Fluorobiphenyl	67	(30 - 110)
Terphenyl-d14	89	(51 - 135)
Phenol-d5	58	(10 - 117)
2-Fluorophenol	36	(19 - 108)
2,4,6-Tribromophenol	70	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

GC/MS Semivolatiles

Lot-Sample #...:	A7D200101-003	**Work Order #...:**	JVAJ11AC	**Matrix.....:**	WG
Date Sampled...:	04/19/07 10:34	**Date Received..:**	04/20/07		
Prep Date.....:	04/23/07	**Analysis Date..:**	05/01/07		
Prep Batch #...:	7113053				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**8.5 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-003 Work Order #...: JVAJ11AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-003 Work Order #...: JVAJ11AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	65	(32 - 112)
2-Fluorobiphenyl	58	(30 - 110)
Terphenyl-d14	88	(51 - 135)
Phenol-d5	54	(10 - 117)
2-Fluorophenol	39	(19 - 108)
2,4,6-Tribromophenol	71	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-005 **Work Order #...:** JVAJ31AC **Matrix.....:** WG
Date Sampled...: 04/19/07 14:10 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 **Initial Wgt/Vol:** 930 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**9.1 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-005 Work Order #...: JVAJ31AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-005 **Work Order #...:** JVAJ31AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(32 - 112)
2-Fluorobiphenyl	62	(30 - 110)
Terphenyl-d14	85	(51 - 135)
Phenol-d5	54	(10 - 117)
2-Fluorophenol	29	(19 - 108)
2,4,6-Tribromophenol	64	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-007	**Work Order #...:** JVAJ51AC	**Matrix.....:** WG	
Date Sampled...: 04/19/07 08:50	**Date Received..:** 04/20/07		
Prep Date.....: 04/23/07	**Analysis Date..:** 05/01/07		
Prep Batch #...: 7113053			
Dilution Factor: 1	**Initial Wgt/Vol:** 1000 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**8.5 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-007 Work Order #...: JVAJ51AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**2.0 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-007 Work Order #...: JVAJ51AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
2-Fluorobiphenyl	66	(30 - 110)
Terphenyl-d14	85	(51 - 135)
Phenol-d5	59	(10 - 117)
2-Fluorophenol	29	(19 - 108)
2,4,6-Tribromophenol	73	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-009	**Work Order #...:** JVAJ71AE	**Matrix.....:** WG	
Date Sampled...: 04/19/07 11:20	**Date Received..:** 04/20/07		
Prep Date.....: 04/23/07	**Analysis Date..:** 05/01/07		
Prep Batch #...: 7113053			
Dilution Factor: 1	**Initial Wgt/Vol:** 950 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**8.9 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-009 Work Order #...: JVAJ71AE Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.1 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-009 Work Order #...: JVAJ71AE Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	67	(32 - 112)
2-Fluorobiphenyl	58	(30 - 110)
Terphenyl-d14	88	(51 - 135)
Phenol-d5	55	(10 - 117)
2-Fluorophenol	38	(19 - 108)
2,4,6-Tribromophenol	63	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

GC/MS Semivolatiles

Lot-Sample #...:	A7D200101-011	**Work Order #...:**	JVAJ91AC	**Matrix.....:**	WG
Date Sampled...:	04/19/07 10:34	**Date Received..:**	04/20/07		
Prep Date.....:	04/23/07	**Analysis Date..:**	05/01/07		
Prep Batch #...:	7113053				
Dilution Factor:	1	**Initial Wgt/Vol:**	1020 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**8.3 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-011 **Work Order #...:** JVAJ91AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.4 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-011 **Work Order #...:** JVAJ91AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(32 - 112)
2-Fluorobiphenyl	58	(30 - 110)
Terphenyl-d14	85	(51 - 135)
Phenol-d5	49	(10 - 117)
2-Fluorophenol	28	(19 - 108)
2,4,6-Tribromophenol	68	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-013 **Work Order #...:** JVAKC1AE **Matrix.....:** WG
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 **Initial Wgt/Vol:** 960 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**8.9 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-013 Work Order #...: JVAKC1AE Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-013 Work Order #...: JVAKC1AE Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(32 - 112)
2-Fluorobiphenyl	65	(30 - 110)
Terphenyl-d14	87	(51 - 135)
Phenol-d5	59	(10 - 117)
2-Fluorophenol	40	(19 - 108)
2,4,6-Tribromophenol	69	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

GC/MS Semivolatiles

Lot-Sample #...:	A7D200101-015	**Work Order #...:**	JVAKE1AC	**Matrix.....:**	WG
Date Sampled...:	04/19/07 13:45	**Date Received..:**	04/20/07		
Prep Date.....:	04/23/07	**Analysis Date..:**	05/01/07		
Prep Batch #...:	7113053				
Dilution Factor:	1	**Initial Wgt/Vol:**	900 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**9.5 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-015 Work Order #...: JVAKE1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	**1.2**	**1.0**	**ug/L**
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-015 Work Order #...: JVAKE1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(32 - 112)
2-Fluorobiphenyl	70	(30 - 110)
Terphenyl-d14	86	(51 - 135)
Phenol-d5	61	(10 - 117)
2-Fluorophenol	34	(19 - 108)
2,4,6-Tribromophenol	68	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-017 Work Order #...: JVAKJ1AC Matrix.....: WG
Date Sampled...: 04/19/07 14:50 Date Received..: 04/20/07
Prep Date.....: 04/23/07 Analysis Date..: 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 Initial Wgt/Vol: 1010 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-017 Work Order #...: JVAKJ1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-017 Work Order #...: JVAKJ1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	80	(32 - 112)
2-Fluorobiphenyl	73	(30 - 110)
Terphenyl-d14	91	(51 - 135)
Phenol-d5	61	(10 - 117)
2-Fluorophenol	40	(19 - 108)
2,4,6-Tribromophenol	65	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-019 **Work Order #...:** JVAKL1AC **Matrix.....:** WG
Date Sampled...: 04/19/07 15:10 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-019 Work Order #...: JVAKL1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**24**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-019 Work Order #...: JVAKL1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(32 - 112)
2-Fluorobiphenyl	60	(30 - 110)
Terphenyl-d14	81	(51 - 135)
Phenol-d5	52	(10 - 117)
2-Fluorophenol	30	(19 - 108)
2,4,6-Tribromophenol	68	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-021	**Work Order #...:** JVAKN1AC	**Matrix.....:** WG	
Date Sampled...: 04/19/07 12:30	**Date Received..:** 04/20/07		
Prep Date.....: 04/23/07	**Analysis Date..:** 05/02/07		
Prep Batch #...: 7113053			
Dilution Factor: 1	**Initial Wgt/Vol:** 1030 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-021 Work Order #...: JVAKN1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**3.0 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-021 Work Order #...: JVAKN1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
2-Fluorobiphenyl	66	(30 - 110)
Terphenyl-d14	86	(51 - 135)
Phenol-d5	67	(10 - 117)
2-Fluorophenol	53	(19 - 108)
2,4,6-Tribromophenol	79	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-023 Work Order #...: JVAKR1AC Matrix.....: WQ
Date Sampled...: 04/19/07 13:14 Date Received..: 04/20/07
Prep Date.....: 04/23/07 Analysis Date..: 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 Initial Wgt/Vol: 1050 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-023 Work Order #...: JVAKR1AC Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-023 Work Order #...: JVAKR1AC Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(32 - 112)
2-Fluorobiphenyl	66	(30 - 110)
Terphenyl-d14	91	(51 - 135)
Phenol-d5	67	(10 - 117)
2-Fluorophenol	47	(19 - 108)
2,4,6-Tribromophenol	67	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-025 **Work Order #...:** JVAKW1AC **Matrix.....:** WG
Date Sampled...: 04/19/07 08:55 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-025 Work Order #...: JVAKW1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D200101-025 Work Order #...: JVAKW1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(32 - 112)
2-Fluorobiphenyl	55	(30 - 110)
Terphenyl-d14	82	(51 - 135)
Phenol-d5	52	(10 - 117)
2-Fluorophenol	36	(19 - 108)
2,4,6-Tribromophenol	62	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVF0D1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D230000-053

Prep Date.....: 04/23/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 05/01/07 **Prep Batch #...:** 7113053
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzoic acid	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	5.0	ug/L	SW846 8270C
Phenol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVF0D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Acenaphthene	ND	0.20	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	96	(32 - 112)
2-Fluorobiphenyl	83	(30 - 110)
Terphenyl-d14	103	(51 - 135)
Phenol-d5	76	(10 - 117)
2-Fluorophenol	55	(19 - 108)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVF0D1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Tribromophenol	78	(42 - 124)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7113053 **Analysis Method :** 8270C **Analysis Date :** 05/01/2007

Preparation Batch : 7113053 **Preparation Type :** 3520C **Preparation Date :** 04/23/2007

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
A7D230000053C	AQ	Hexachlorocyclopentadiene	7.4		30.00	30.00	115.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGBKGmw-004C-0405-GW	A7D200101015
FWGBKGmw-008C-0408-GW	A7D200101017
FWGBKGmw-010C-0409-GW	A7D200101019
FWGBKGmw-015C-0412-GW	A7D200101001
FWGBKGmw-017C-0414-GW	A7D200101013
FWGBKGmw-021C-0418-GW	A7D200101009
FWGBKGmw-DUP2-0449-GW	A7D200101005
FWGEQUIPRinse4-0459C-GW	A7D200101023
FWGLL12mw-153C-0431-GW	A7D200101021
FWGLL12mw-182C-0432-GW	A7D200101011
FWGLL12mw-183C-0433-GW	A7D200101025
FWGLL12mw-186C-0434-GW	A7D200101007
FWGLL12mw-DUP4-0451-GW	A7D200101003

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVF0D1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D230000-053
Prep Date.....: 04/23/07 **Analysis Date..:** 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	57	(30 - 136)	SW846 8270C
Phenol	**66**	**(30 - 115)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	77	(30 - 115)	SW846 8270C
2-Chlorophenol	**59**	**(30 - 120)**	**SW846 8270C**
1,3-Dichlorobenzene	59	(30 - 120)	SW846 8270C
1,4-Dichlorobenzene	**83**	**(30 - 115)**	**SW846 8270C**
1,2-Dichlorobenzene	64	(30 - 120)	SW846 8270C
2-Methylphenol	72	(30 - 116)	SW846 8270C
bis(2-Chloroisopropyl) ether	82	(50 - 150)	SW846 8270C
4-Methylphenol	69	(31 - 115)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**87**	**(30 - 132)**	**SW846 8270C**
Hexachloroethane	52	(30 - 120)	SW846 8270C
Nitrobenzene	85	(31 - 115)	SW846 8270C
Isophorone	94	(33 - 115)	SW846 8270C
2-Nitrophenol	77	(33 - 115)	SW846 8270C
2,4-Dimethylphenol	42	(31 - 120)	SW846 8270C
bis(2-Chloroethoxy) methane	81	(30 - 115)	SW846 8270C
2,4-Dichlorophenol	69	(34 - 115)	SW846 8270C
1,2,4-Trichloro-benzene	**63**	**(30 - 120)**	**SW846 8270C**
Naphthalene	73	(30 - 119)	SW846 8270C
4-Chloroaniline	72	(30 - 133)	SW846 8270C
Hexachlorobutadiene	57	(30 - 120)	SW846 8270C
4-Chloro-3-methylphenol	**85**	**(31 - 121)**	**SW846 8270C**
2-Methylnaphthalene	84	(32 - 115)	SW846 8270C
Hexachlorocyclopenta-diene	7.4 a	(30 - 115)	SW846 8270C
2,4,6-Trichloro-phenol	81	(39 - 115)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVF0D1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D230000-053

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4,5-Trichloro-phenol	80	(36 - 135)	SW846 8270C
2-Chloronaphthalene	76	(35 - 115)	SW846 8270C
2-Nitroaniline	107	(36 - 140)	SW846 8270C
Dimethyl phthalate	106	(42 - 116)	SW846 8270C
Acenaphthylene	89	(37 - 115)	SW846 8270C
2,6-Dinitrotoluene	96	(43 - 122)	SW846 8270C
3-Nitroaniline	96	(30 - 138)	SW846 8270C
2,4-Dinitrophenol	83	(29 - 146)	SW846 8270C
4-Nitrophenol	**99**	**(30 - 138)**	**SW846 8270C**
Dibenzofuran	91	(40 - 115)	SW846 8270C
2,4-Dinitrotoluene	**97**	**(34 - 151)**	**SW846 8270C**
Diethyl phthalate	109	(43 - 132)	SW846 8270C
4-Chlorophenyl phenyl ether	96	(40 - 115)	SW846 8270C
Fluorene	92	(41 - 115)	SW846 8270C
4-Nitroaniline	99	(30 - 140)	SW846 8270C
4,6-Dinitro-2-methylphenol	83	(42 - 144)	SW846 8270C
N-Nitrosodiphenylamine	101	(35 - 124)	SW846 8270C
4-Bromophenyl phenyl ether	98	(43 - 118)	SW846 8270C
Hexachlorobenzene	101	(42 - 123)	SW846 8270C
Pentachlorophenol	**86**	**(30 - 150)**	**SW846 8270C**
Phenanthrene	98	(45 - 117)	SW846 8270C
Anthracene	101	(45 - 118)	SW846 8270C
Carbazole	103	(49 - 126)	SW846 8270C
Di-n-butyl phthalate	114	(46 - 123)	SW846 8270C
Fluoranthene	110	(47 - 132)	SW846 8270C
Pyrene	**102**	**(35 - 139)**	**SW846 8270C**
Butyl benzyl phthalate	114	(37 - 136)	SW846 8270C
3,3'-Dichlorobenzidine	76	(30 - 160)	SW846 8270C
Benzo(a)anthracene	100	(43 - 138)	SW846 8270C
Chrysene	102	(42 - 142)	SW846 8270C
bis(2-Ethylhexyl) phthalate	125	(30 - 154)	SW846 8270C
Di-n-octyl phthalate	102	(36 - 151)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVF0D1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D230000-053

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzo(b)fluoranthene	104	(31 - 146)	SW846 8270C
Benzo(k)fluoranthene	101	(40 - 127)	SW846 8270C
Benzo(a)pyrene	101	(38 - 144)	SW846 8270C
Indeno(1,2,3-cd)pyrene	107	(37 - 130)	SW846 8270C
Dibenz(a,h)anthracene	106	(38 - 130)	SW846 8270C
Benzo(ghi)perylene	105	(35 - 129)	SW846 8270C
Atrazine	121 a	(30 - 120)	SW846 8270C
Acetophenone	82	(30 - 120)	SW846 8270C
1,1'-Biphenyl	82	(30 - 120)	SW846 8270C
Caprolactam	100	(30 - 120)	SW846 8270C
Benzaldehyde	89	(30 - 120)	SW846 8270C
Acenaphthene	**89**	**(31 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(32 - 112)
2-Fluorobiphenyl	77	(30 - 110)
Terphenyl-d14	108	(51 - 135)
Phenol-d5	64	(10 - 117)
2-Fluorophenol	41	(19 - 108)
2,4,6-Tribromophenol	86	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7113053 **Analysis Method :** 8270C **Analysis Date :** 05/01/2007

Preparation Batch : 7113053 **Preparation Type :** 3520C **Preparation Date :** 04/23/2007

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGBKGmw-017C-0414	A7D200101013S	AQ	3,3'-Dichlorobenzidine	32		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	8.9		0.00	45.00	135.00	20.00
FWGBKGmw-017C-0414	A7D200101013D		2,4-Dimethylphenol		23	0.00	45.00	135.00	20.00
			3,3'-Dichlorobenzidine	32		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	7.7		0.00	45.00	135.00	20.00
FWGBKGmw-021C-0418	A7D200101009S		2,4-Dimethylphenol	44		0.00	45.00	135.00	20.00
			2-Chlorophenol	42		0.00	45.00	135.00	20.00
			Benzoic acid	30		0.00	45.00	135.00	20.00
			Hexachlorobutadiene	39		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	13		0.00	45.00	135.00	20.00
			Hexachloroethane	37		0.00	45.00	135.00	20.00
FWGBKGmw-021C-0418	A7D200101009D		2,4-Dimethylphenol	41		0.00	45.00	135.00	20.00
			Benzoic acid	30		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	6.7	63	0.00	45.00	135.00	20.00
			Hexachloroethane	43		0.00	45.00	135.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGBKGmw-017C-0414-GW	A7D200101013
FWGBKGmw-021C-0418-GW	A7D200101009

MS's
2,4-dimethylphenol limits are 31-120 in Appendix C of LCG
2-Chlorophenol limits are 30-120 in LCG

ltm 6/14/07

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 Work Order #...: JVAJ71AF-MS Matrix.....: WG
MS Lot-Sample #: A7D200101-009 JVAJ71AG-MSD
Date Sampled...: 04/19/07 11:20 Date Received..: 04/20/07
Prep Date.....: 04/23/07 Analysis Date..: 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 Initial Wgt/Vol: 480 mL Final Wgt/Vol..: 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzoic acid	30	(10 - 127)			SW846 8270C
	30	(10 - 127)	0.53	(0-99)	SW846 8270C
Phenol	**47**	**(10 - 116)**			**SW846 8270C**
	52	**(10 - 116)**	**8.9**	**(0-43)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	69	(57 - 120)			SW846 8270C
	73	(57 - 120)	6.3	(0-51)	SW846 8270C
2-Chlorophenol	**42**	**(37 - 106)**			**SW846 8270C**
	45	**(37 - 106)**	**6.9**	**(0-43)**	**SW846 8270C**
1,3-Dichlorobenzene	45	(35 - 114)			SW846 8270C
	48	(35 - 114)	7.3	(0-89)	SW846 8270C
1,4-Dichlorobenzene	**64**	**(32 - 98)**			**SW846 8270C**
	69	**(32 - 98)**	**6.5**	**(0-36)**	**SW846 8270C**
1,2-Dichlorobenzene	50	(43 - 112)			SW846 8270C
	53	(43 - 112)	6.0	(0-85)	SW846 8270C
2-Methylphenol	59	(42 - 113)			SW846 8270C
	64	(42 - 113)	8.3	(0-73)	SW846 8270C
bis(2-Chloroisopropyl) ether	74	(53 - 122)			SW846 8270C
	73	(53 - 122)	0.83	(0-52)	SW846 8270C
4-Methylphenol	55	(29 - 122)			SW846 8270C
	62	(29 - 122)	11	(0-55)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**78**	**(18 - 115)**			**SW846 8270C**
	79	**(18 - 115)**	**0.93**	**(0-36)**	**SW846 8270C**
Hexachloroethane	37	(28 - 94)			SW846 8270C
	43	(28 - 94)	16	(0-92)	SW846 8270C
Nitrobenzene	76	(56 - 125)			SW846 8270C
	77	(56 - 125)	1.5	(0-81)	SW846 8270C
Isophorone	81	(56 - 112)			SW846 8270C
	86	(56 - 112)	5.2	(0-50)	SW846 8270C
2-Nitrophenol	56	(51 - 131)			SW846 8270C
	67	(51 - 131)	18	(0-77)	SW846 8270C
2,4-Dimethylphenol	44	(28 - 109)			SW846 8270C
	41	(28 - 109)	7.7	(0-62)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
bis(2-Chloroethoxy) methane	72	(57 - 114)			SW846 8270C
	73	(57 - 114)	1.1	(0-49)	SW846 8270C
2,4-Dichlorophenol	51 a	(52 - 121)			SW846 8270C
	59	(52 - 121)	15	(0-88)	SW846 8270C
1,2,4-Trichloro- benzene	**48**	**(22 - 110)**			**SW846 8270C**
	53	**(22 - 110)**	**10**	**(0-37)**	**SW846 8270C**
Naphthalene	60	(50 - 176)			SW846 8270C
	64	(50 - 176)	6.0	(0-52)	SW846 8270C
4-Chloroaniline	62	(15 - 109)			SW846 8270C
	64	(15 - 109)	2.9	(0-99)	SW846 8270C
Hexachlorobutadiene	39	(35 - 118)			SW846 8270C
	46	(35 - 118)	17	(0-56)	SW846 8270C
4-Chloro-3-methylphenol	**65**	**(47 - 111)**			**SW846 8270C**
	73	**(47 - 111)**	**12**	**(0-55)**	**SW846 8270C**
2-Methylnaphthalene	68	(45 - 119)			SW846 8270C
	73	(45 - 119)	7.0	(0-51)	SW846 8270C
Hexachlorocyclopenta- diene	13	(10 - 98)			SW846 8270C
	6.7 a	(10 - 98)	63	(0-97)	SW846 8270C
2,4,6-Trichloro- phenol	57	(46 - 122)			SW846 8270C
	69	(46 - 122)	20	(0-98)	SW846 8270C
2,4,5-Trichloro- phenol	59	(45 - 125)			SW846 8270C
	68	(45 - 125)	15	(0-74)	SW846 8270C
2-Chloronaphthalene	61	(51 - 119)			SW846 8270C
	68	(51 - 119)	9.5	(0-51)	SW846 8270C
2-Nitroaniline	87	(48 - 125)			SW846 8270C
	93	(48 - 125)	7.4	(0-83)	SW846 8270C
Dimethyl phthalate	83	(25 - 127)			SW846 8270C
	90	(25 - 127)	8.2	(0-99)	SW846 8270C
Acenaphthylene	72	(49 - 111)			SW846 8270C
	77	(49 - 111)	7.0	(0-51)	SW846 8270C
2,6-Dinitrotoluene	76	(58 - 127)			SW846 8270C
	81	(58 - 127)	5.5	(0-82)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
3-Nitroaniline	77	(19 - 126)			SW846 8270C
	82	(19 - 126)	6.3	(0-99)	SW846 8270C
2,4-Dinitrophenol	74	(14 - 138)			SW846 8270C
	74	(14 - 138)	0.21	(0-99)	SW846 8270C
4-Nitrophenol	**82**	**(10 - 123)**			**SW846 8270C**
	87	**(10 - 123)**	**6.2**	**(0-34)**	**SW846 8270C**
Dibenzofuran	72	(51 - 117)			SW846 8270C
	79	(51 - 117)	9.1	(0-51)	SW846 8270C
2,4-Dinitrotoluene	**77**	**(31 - 131)**			**SW846 8270C**
	85	**(31 - 131)**	**9.5**	**(0-32)**	**SW846 8270C**
Diethyl phthalate	86	(41 - 118)			SW846 8270C
	93	(41 - 118)	7.7	(0-81)	SW846 8270C
4-Chlorophenyl phenyl ether	75	(51 - 118)			SW846 8270C
	81	(51 - 118)	8.0	(0-51)	SW846 8270C
Fluorene	74	(51 - 119)			SW846 8270C
	81	(51 - 119)	8.7	(0-51)	SW846 8270C
4-Nitroaniline	80	(20 - 122)			SW846 8270C
	86	(20 - 122)	6.7	(0-99)	SW846 8270C
4,6-Dinitro-2-methylphenol	67	(40 - 130)			SW846 8270C
	74	(40 - 130)	9.7	(0-99)	SW846 8270C
N-Nitrosodiphenylamine	82	(49 - 117)			SW846 8270C
	88	(49 - 117)	7.8	(0-51)	SW846 8270C
4-Bromophenyl phenyl ether	77	(51 - 119)			SW846 8270C
	85	(51 - 119)	9.5	(0-51)	SW846 8270C
Hexachlorobenzene	78	(48 - 123)			SW846 8270C
	84	(48 - 123)	7.4	(0-51)	SW846 8270C
Pentachlorophenol	**72**	**(38 - 137)**			**SW846 8270C**
	78	**(38 - 137)**	**8.2**	**(0-56)**	**SW846 8270C**
Phenanthrene	78	(52 - 117)			SW846 8270C
	84	(52 - 117)	7.2	(0-51)	SW846 8270C
Anthracene	81	(49 - 118)			SW846 8270C
	87	(49 - 118)	7.2	(0-51)	SW846 8270C
Carbazole	84	(48 - 119)			SW846 8270C
	92	(48 - 119)	8.9	(0-53)	SW846 8270C
Di-n-butyl phthalate	92	(41 - 121)			SW846 8270C
	97	(41 - 121)	5.2	(0-53)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Fluoranthene	88	(49 - 122)			SW846 8270C
	96	(49 - 122)	8.3	(0-53)	SW846 8270C
Pyrene	**82**	**(27 - 138)**			**SW846 8270C**
	88	**(27 - 138)**	**7.0**	**(0-31)**	**SW846 8270C**
Butyl benzyl phthalate	91	(41 - 127)			SW846 8270C
	96	(41 - 127)	4.6	(0-84)	SW846 8270C
3,3'-Dichlorobenzidine	58	(19 - 111)			SW846 8270C
	58	(19 - 111)	0.32	(0-99)	SW846 8270C
Benzo(a)anthracene	79	(48 - 115)			SW846 8270C
	86	(48 - 115)	8.8	(0-51)	SW846 8270C
Chrysene	81	(49 - 118)			SW846 8270C
	88	(49 - 118)	7.6	(0-52)	SW846 8270C
bis(2-Ethylhexyl) phthalate	93	(43 - 128)			SW846 8270C
	102	(43 - 128)	9.8	(0-84)	SW846 8270C
Di-n-octyl phthalate	84	(39 - 144)			SW846 8270C
	88	(39 - 144)	5.4	(0-89)	SW846 8270C
Benzo(b)fluoranthene	83	(44 - 123)			SW846 8270C
	86	(44 - 123)	3.7	(0-54)	SW846 8270C
Benzo(k)fluoranthene	80	(46 - 123)			SW846 8270C
	92	(46 - 123)	14	(0-53)	SW846 8270C
Benzo(a)pyrene	82	(44 - 122)			SW846 8270C
	88	(44 - 122)	6.7	(0-51)	SW846 8270C
Indeno(1,2,3-cd)pyrene	85	(39 - 126)			SW846 8270C
	91	(39 - 126)	6.4	(0-59)	SW846 8270C
Dibenz(a,h)anthracene	85	(45 - 127)			SW846 8270C
	91	(45 - 127)	7.1	(0-57)	SW846 8270C
Benzo(ghi)perylene	84	(44 - 122)			SW846 8270C
	89	(44 - 122)	5.7	(0-55)	SW846 8270C
Atrazine	98	(30 - 120)			SW846 8270C
	106	(30 - 120)	7.8	(0-20)	SW846 8270C
Benzaldehyde	83	(30 - 120)			SW846 8270C
	82	(30 - 120)	1.3	(0-20)	SW846 8270C
Acetophenone	74	(30 - 120)			SW846 8270C
	74	(30 - 120)	0.15	(0-20)	SW846 8270C
1,1'-Biphenyl	69	(30 - 120)			SW846 8270C
	73	(30 - 120)	6.0	(0-20)	SW846 8270C
Caprolactam	81	(30 - 120)			SW846 8270C
	84	(30 - 120)	4.2	(0-20)	SW846 8270C
Acenaphthene	**71**	**(26 - 118)**			**SW846 8270C**
	77	**(26 - 118)**	**8.4**	**(0-35)**	**SW846 8270C**

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
	74	(32 - 112)
2-Fluorobiphenyl	63	(30 - 110)
	68	(30 - 110)
Terphenyl-d14	86	(51 - 135)
	92	(51 - 135)
Phenol-d5	46	(10 - 117)
	50	(10 - 117)
2-Fluorophenol	24	(19 - 108)
	21	(19 - 108)
2,4,6-Tribromophenol	64	(42 - 124)
	76	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AG-MSD
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 05/01/07
Prep Batch #...: 7113053
Dilution Factor: 1 **Initial Wgt/Vol:** 480 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzoic acid	56	(10 - 127)			SW846 8270C
	47	(10 - 127)	13	(0-99)	SW846 8270C
Phenol	**69**	**(10 - 116)**			**SW846 8270C**
	72	**(10 - 116)**	**4.8**	**(0-43)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	79	(57 - 120)			SW846 8270C
	96	(57 - 120)	19	(0-51)	SW846 8270C
2-Chlorophenol	**62**	**(37 - 106)**			**SW846 8270C**
	61	**(37 - 106)**	**1.9**	**(0-43)**	**SW846 8270C**
1,3-Dichlorobenzene	59	(35 - 114)			SW846 8270C
	59	(35 - 114)	0.41	(0-89)	SW846 8270C
1,4-Dichlorobenzene	**85**	**(32 - 98)**			**SW846 8270C**
	83	**(32 - 98)**	**2.7**	**(0-36)**	**SW846 8270C**
1,2-Dichlorobenzene	64	(43 - 112)			SW846 8270C
	67	(43 - 112)	5.8	(0-85)	SW846 8270C
2-Methylphenol	74	(42 - 113)			SW846 8270C
	81	(42 - 113)	9.6	(0-73)	SW846 8270C
bis(2-Chloroisopropyl) ether	85	(53 - 122)			SW846 8270C
	88	(53 - 122)	3.6	(0-52)	SW846 8270C
4-Methylphenol	71	(29 - 122)			SW846 8270C
	75	(29 - 122)	6.4	(0-55)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**88**	**(18 - 115)**			**SW846 8270C**
	93	**(18 - 115)**	**5.4**	**(0-36)**	**SW846 8270C**
Hexachloroethane	52	(28 - 94)			SW846 8270C
	52	(28 - 94)	0.26	(0-92)	SW846 8270C
Nitrobenzene	88	(56 - 125)			SW846 8270C
	88	(56 - 125)	0.19	(0-81)	SW846 8270C
Isophorone	94	(56 - 112)			SW846 8270C
	96	(56 - 112)	1.8	(0-50)	SW846 8270C
2-Nitrophenol	78	(51 - 131)			SW846 8270C
	80	(51 - 131)	1.9	(0-77)	SW846 8270C
2,4-Dimethylphenol	52	(28 - 109)			SW846 8270C
	66	(28 - 109)	23	(0-62)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
bis(2-Chloroethoxy) methane	84	(57 - 114)			SW846 8270C
	84	(57 - 114)	0.79	(0-49)	SW846 8270C
2,4-Dichlorophenol	71	(52 - 121)			SW846 8270C
	71	(52 - 121)	0.76	(0-88)	SW846 8270C
1,2,4-Trichloro- benzene	**62**	**(22 - 110)**			**SW846 8270C**
	65	**(22 - 110)**	**4.4**	**(0-37)**	**SW846 8270C**
Naphthalene	73	(50 - 176)			SW846 8270C
	74	(50 - 176)	1.1	(0-52)	SW846 8270C
4-Chloroaniline	69	(15 - 109)			SW846 8270C
	73	(15 - 109)	5.5	(0-99)	SW846 8270C
Hexachlorobutadiene	56	(35 - 118)			SW846 8270C
	52	(35 - 118)	7.8	(0-56)	SW846 8270C
4-Chloro-3-methylphenol	**78**	**(47 - 111)**			**SW846 8270C**
	79	**(47 - 111)**	**1.7**	**(0-55)**	**SW846 8270C**
2-Methylnaphthalene	82	(45 - 119)			SW846 8270C
	85	(45 - 119)	3.9	(0-51)	SW846 8270C
Hexachlorocyclopenta- diene	8.9 a	(10 - 98)			SW846 8270C
	7.7 a	(10 - 98)	15	(0-97)	SW846 8270C
2,4,6-Trichloro- phenol	75	(46 - 122)			SW846 8270C
	75	(46 - 122)	0.86	(0-98)	SW846 8270C
2,4,5-Trichloro- phenol	72	(45 - 125)			SW846 8270C
	73	(45 - 125)	0.87	(0-74)	SW846 8270C
2-Chloronaphthalene	73	(51 - 119)			SW846 8270C
	74	(51 - 119)	0.70	(0-51)	SW846 8270C
2-Nitroaniline	95	(48 - 125)			SW846 8270C
	93	(48 - 125)	1.8	(0-83)	SW846 8270C
Dimethyl phthalate	89	(25 - 127)			SW846 8270C
	88	(25 - 127)	0.19	(0-99)	SW846 8270C
Acenaphthylene	78	(49 - 111)			SW846 8270C
	78	(49 - 111)	0.78	(0-51)	SW846 8270C
2,6-Dinitrotoluene	83	(58 - 127)			SW846 8270C
	82	(58 - 127)	1.4	(0-82)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
3-Nitroaniline	80	(19 - 126)			SW846 8270C
	81	(19 - 126)	1.8	(0-99)	SW846 8270C
2,4-Dinitrophenol	91	(14 - 138)			SW846 8270C
	86	(14 - 138)	6.1	(0-99)	SW846 8270C
4-Nitrophenol	**88**	**(10 - 123)**			**SW846 8270C**
	88	**(10 - 123)**	**0.18**	**(0-34)**	**SW846 8270C**
Dibenzofuran	80	(51 - 117)			SW846 8270C
	81	(51 - 117)	1.3	(0-51)	SW846 8270C
2,4-Dinitrotoluene	**83**	**(31 - 131)**			**SW846 8270C**
	83	**(31 - 131)**	**0.80**	**(0-32)**	**SW846 8270C**
Diethyl phthalate	92	(41 - 118)			SW846 8270C
	92	(41 - 118)	0.12	(0-81)	SW846 8270C
4-Chlorophenyl phenyl ether	82	(51 - 118)			SW846 8270C
	82	(51 - 118)	0.12	(0-51)	SW846 8270C
Fluorene	81	(51 - 119)			SW846 8270C
	81	(51 - 119)	0.09	(0-51)	SW846 8270C
4-Nitroaniline	82	(20 - 122)			SW846 8270C
	82	(20 - 122)	0.60	(0-99)	SW846 8270C
4,6-Dinitro-2-methylphenol	77	(40 - 130)			SW846 8270C
	74	(40 - 130)	4.2	(0-99)	SW846 8270C
N-Nitrosodiphenylamine	64	(49 - 117)			SW846 8270C
	61	(49 - 117)	4.5	(0-51)	SW846 8270C
4-Bromophenyl phenyl ether	83	(51 - 119)			SW846 8270C
	84	(51 - 119)	1.5	(0-51)	SW846 8270C
Hexachlorobenzene	81	(48 - 123)			SW846 8270C
	82	(48 - 123)	0.39	(0-51)	SW846 8270C
Pentachlorophenol	**79**	**(38 - 137)**			**SW846 8270C**
	77	**(38 - 137)**	**3.5**	**(0-56)**	**SW846 8270C**
Phenanthrene	80	(52 - 117)			SW846 8270C
	81	(52 - 117)	0.97	(0-51)	SW846 8270C
Anthracene	82	(49 - 118)			SW846 8270C
	82	(49 - 118)	0.93	(0-51)	SW846 8270C
Carbazole	86	(48 - 119)			SW846 8270C
	87	(48 - 119)	0.17	(0-53)	SW846 8270C
Di-n-butyl phthalate	95	(41 - 121)			SW846 8270C
	96	(41 - 121)	1.3	(0-53)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 Work Order #...: JVAKC1AF-MS Matrix.....: WG
MS Lot-Sample #: A7D200101-013 JVAKC1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Fluoranthene	90	(49 - 122)			SW846 8270C
	91	(49 - 122)	0.66	(0-53)	SW846 8270C
Pyrene	**86**	**(27 - 138)**			**SW846 8270C**
	84	**(27 - 138)**	**2.0**	**(0-31)**	**SW846 8270C**
Butyl benzyl phthalate	94	(41 - 127)			SW846 8270C
	94	(41 - 127)	0.20	(0-84)	SW846 8270C
3,3'-Dichlorobenzidine	32	(19 - 111)			SW846 8270C
	32	(19 - 111)	0.98	(0-99)	SW846 8270C
Benzo(a)anthracene	82	(48 - 115)			SW846 8270C
	81	(48 - 115)	1.6	(0-51)	SW846 8270C
Chrysene	85	(49 - 118)			SW846 8270C
	83	(49 - 118)	1.4	(0-52)	SW846 8270C
bis(2-Ethylhexyl) phthalate	95	(43 - 128)			SW846 8270C
	95	(43 - 128)	0.57	(0-84)	SW846 8270C
Di-n-octyl phthalate	85	(39 - 144)			SW846 8270C
	84	(39 - 144)	0.69	(0-89)	SW846 8270C
Benzo(b)fluoranthene	86	(44 - 123)			SW846 8270C
	81	(44 - 123)	5.9	(0-54)	SW846 8270C
Benzo(k)fluoranthene	82	(46 - 123)			SW846 8270C
	85	(46 - 123)	3.0	(0-53)	SW846 8270C
Benzo(a)pyrene	82	(44 - 122)			SW846 8270C
	81	(44 - 122)	1.6	(0-51)	SW846 8270C
Indeno(1,2,3-cd)pyrene	86	(39 - 126)			SW846 8270C
	84	(39 - 126)	1.8	(0-59)	SW846 8270C
Dibenz(a,h)anthracene	86	(45 - 127)			SW846 8270C
	85	(45 - 127)	0.34	(0-57)	SW846 8270C
Benzo(ghi)perylene	85	(44 - 122)			SW846 8270C
	83	(44 - 122)	1.3	(0-55)	SW846 8270C
Atrazine	100	(30 - 120)			SW846 8270C
	102	(30 - 120)	2.0	(0-20)	SW846 8270C
Benzaldehyde	94	(30 - 120)			SW846 8270C
	97	(30 - 120)	2.3	(0-20)	SW846 8270C
Acetophenone	84	(30 - 120)			SW846 8270C
	88	(30 - 120)	5.0	(0-20)	SW846 8270C
1,1'-Biphenyl	77	(30 - 120)			SW846 8270C
	80	(30 - 120)	4.0	(0-20)	SW846 8270C
Caprolactam	86	(30 - 120)			SW846 8270C
	87	(30 - 120)	1.2	(0-20)	SW846 8270C
Acenaphthene	**80**	**(26 - 118)**			**SW846 8270C**
	80	**(26 - 118)**	**0.14**	**(0-35)**	**SW846 8270C**

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	84	(32 - 112)
	83	(32 - 112)
2-Fluorobiphenyl	73	(30 - 110)
	73	(30 - 110)
Terphenyl-d14	87	(51 - 135)
	87	(51 - 135)
Phenol-d5	66	(10 - 117)
	71	(10 - 117)
2-Fluorophenol	44	(19 - 108)
	43	(19 - 108)
2,4,6-Tribromophenol	75	(42 - 124)
	75	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

PESTICIDE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-001	**Work Order #...:**	JVAJX1AD	**Matrix.....:**	WG
Date Sampled...:	04/18/07 16:55	**Date Received..:**	04/20/07		
Prep Date.....:	04/23/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7113038				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.061 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	100	(39 - 130)
Decachlorobiphenyl	72	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-003 **Work Order #...:** JVAJ11AD **Matrix.....:** WG
Date Sampled...: 04/19/07 10:34 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.024 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(39 - 130)
Decachlorobiphenyl	37	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-005	**Work Order #...:**	JVAJ31AD	**Matrix.....:**	WG
Date Sampled...:	04/19/07 14:10	**Date Received..:**	04/20/07		
Prep Date.....:	04/23/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7113038				
Dilution Factor:	1	**Initial Wgt/Vol:**	940 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(39 - 130)
Decachlorobiphenyl	98	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-007 **Work Order #...:** JVAJ51AD **Matrix.....:** WG
Date Sampled...: 04/19/07 08:50 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.090 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(39 - 130)
Decachlorobiphenyl	70	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-009 **Work Order #...:** JVAJ71AH **Matrix.....:** WG
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 970 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(39 - 130)
Decachlorobiphenyl	97	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-011 **Work Order #...:** JVAJ91AD **Matrix.....:** WG
Date Sampled...: 04/19/07 10:34 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(39 - 130)
Decachlorobiphenyl	48	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-013 Work Order #...: JVAKC1AH Matrix.....: WG
Date Sampled...: 04/19/07 09:00 Date Received..: 04/20/07
Prep Date.....: 04/23/07 Analysis Date..: 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 Initial Wgt/Vol: 1000 mL Final Wgt/Vol..: 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(39 - 130)
Decachlorobiphenyl	37	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-015 **Work Order #...:** JVAKE1AD **Matrix.....:** WG
Date Sampled...: 04/19/07 13:45 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 900 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	96	(39 - 130)
Decachlorobiphenyl	105	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-017	**Work Order #...:**	JVAKJ1AD	**Matrix.....:**	WG
Date Sampled...:	04/19/07 14:50	**Date Received..:**	04/20/07		
Prep Date.....:	04/23/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7113038				
Dilution Factor:	1	**Initial Wgt/Vol:**	1030 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.012 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(39 - 130)
Decachlorobiphenyl	90	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-019 **Work Order #...:** JVAKL1AD **Matrix.....:** WG
Date Sampled...: 04/19/07 15:10 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.028 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	95	(39 - 130)
Decachlorobiphenyl	69	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-021 **Work Order #...:** JVAKN1AD **Matrix.....:** WG
Date Sampled...: 04/19/07 12:30 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.031 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(39 - 130)
Decachlorobiphenyl	54	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-023 **Work Order #...:** JVAKR1AD **Matrix.....:** WQ
Date Sampled...: 04/19/07 13:14 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(39 - 130)
Decachlorobiphenyl	104	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-025 **Work Order #...:** JVAKW1AD **Matrix.....:** WG
Date Sampled...: 04/19/07 08:55 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.012 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(39 - 130)
Decachlorobiphenyl	56	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVFXT1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D230000-038

Prep Date.....: 04/23/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/27/07 **Prep Batch #...:** 7113038
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	0.030	ug/L	SW846 8081A
beta-BHC	ND	0.030	ug/L	SW846 8081A
delta-BHC	ND	0.030	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.030	ug/L	SW846 8081A
Heptachlor	ND	0.030	ug/L	SW846 8081A
Aldrin	ND	0.030	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.030	ug/L	SW846 8081A
Endosulfan I	ND	0.025	ug/L	SW846 8081A
Dieldrin	ND	0.030	ug/L	SW846 8081A
4,4'-DDE	ND	0.030	ug/L	SW846 8081A
Endrin	ND	0.030	ug/L	SW846 8081A
Endosulfan II	ND	0.025	ug/L	SW846 8081A
4,4'-DDD	ND	0.030	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.030	ug/L	SW846 8081A
4,4'-DDT	ND	0.030	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Endrin ketone	ND	0.030	ug/L	SW846 8081A
Endrin aldehyde	ND	0.030	ug/L	SW846 8081A
alpha-Chlordane	ND	0.030	ug/L	SW846 8081A
gamma-Chlordane	ND	0.030	ug/L	SW846 8081A
Toxaphene	ND	2.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	101	(39 - 130)
Decachlorobiphenyl	84	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVFXT1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D230000-038
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 2 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	98	(44 - 137)	SW846 8081A
beta-BHC	96	(50 - 135)	SW846 8081A
delta-BHC	104	(58 - 160)	SW846 8081A
gamma-BHC (Lindane)	**100**	**(58 - 127)**	**SW846 8081A**
Heptachlor	**101**	**(48 - 150)**	**SW846 8081A**
Aldrin	**94**	**(53 - 128)**	**SW846 8081A**
Heptachlor epoxide	99	(50 - 127)	SW846 8081A
Endosulfan I	63	(50 - 160)	SW846 8081A
Dieldrin	**101**	**(50 - 124)**	**SW846 8081A**
4,4'-DDE	99	(50 - 130)	SW846 8081A
Endrin	**105**	**(50 - 137)**	**SW846 8081A**
Endosulfan II	72	(50 - 144)	SW846 8081A
4,4'-DDD	123	(50 - 137)	SW846 8081A
Endosulfan sulfate	105	(50 - 160)	SW846 8081A
4,4'-DDT	**118**	**(50 - 145)**	**SW846 8081A**
Methoxychlor	112	(50 - 160)	SW846 8081A
Endrin ketone	112	(50 - 150)	SW846 8081A
Endrin aldehyde	110	(30 - 160)	SW846 8081A
alpha-Chlordane	99	(50 - 122)	SW846 8081A
gamma-Chlordane	105	(50 - 130)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	91	(39 - 130)
Decachlorobiphenyl	68	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AK-MSD
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 2 **Initial Wgt/Vol:** 515 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	97	(62 - 133)			SW846 8081A
	108	(62 - 133)	11	(0-49)	SW846 8081A
beta-BHC	95	(37 - 157)			SW846 8081A
	109	(37 - 157)	14	(0-54)	SW846 8081A
delta-BHC	101	(36 - 176)			SW846 8081A
	116	(36 - 176)	15	(0-58)	SW846 8081A
gamma-BHC (Lindane)	**98**	**(30 - 148)**			**SW846 8081A**
	110	**(30 - 148)**	**12**	**(0-22)**	**SW846 8081A**
Heptachlor	**94**	**(30 - 150)**			**SW846 8081A**
	105	**(30 - 150)**	**11**	**(0-32)**	**SW846 8081A**
Aldrin	**92**	**(30 - 150)**			**SW846 8081A**
	105	**(30 - 150)**	**13**	**(0-33)**	**SW846 8081A**
Heptachlor epoxide	97	(57 - 138)			SW846 8081A
	110	(57 - 138)	12	(0-54)	SW846 8081A
Endosulfan I	65	(30 - 150)			SW846 8081A
	75	(30 - 150)	15	(0-36)	SW846 8081A
Dieldrin	**97**	**(35 - 141)**			**SW846 8081A**
	112	**(35 - 141)**	**14**	**(0-37)**	**SW846 8081A**
4,4'-DDE	96	(30 - 146)			SW846 8081A
	113	(30 - 146)	16	(0-87)	SW846 8081A
Endrin	**101**	**(30 - 150)**			**SW846 8081A**
	115	**(30 - 150)**	**13**	**(0-40)**	**SW846 8081A**
Endosulfan II	69	(30 - 150)			SW846 8081A
	82	(30 - 150)	17	(0-87)	SW846 8081A
4,4'-DDD	113	(30 - 150)			SW846 8081A
	132	(30 - 150)	16	(0-61)	SW846 8081A
Endosulfan sulfate	96	(47 - 143)			SW846 8081A
	110	(47 - 143)	13	(0-53)	SW846 8081A
4,4'-DDT	**95**	**(30 - 150)**			**SW846 8081A**
	110	**(30 - 150)**	**15**	**(0-50)**	**SW846 8081A**
Methoxychlor	86	(27 - 178)			SW846 8081A
	104	(27 - 178)	19	(0-64)	SW846 8081A
Endrin ketone	94	(45 - 130)			SW846 8081A
	110	(45 - 130)	16	(0-55)	SW846 8081A
Endrin aldehyde	103	(30 - 150)			SW846 8081A
	114	(30 - 150)	11	(0-97)	SW846 8081A
alpha-Chlordane	96	(38 - 140)			SW846 8081A
	111	(38 - 140)	14	(0-55)	SW846 8081A
gamma-Chlordane	101	(36 - 150)			SW846 8081A
	116	(36 - 150)	14	(0-57)	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	93	(39 - 130)
	91	(39 - 130)
Decachlorobiphenyl	107	(10 - 147)
	103	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 Work Order #...: JVAKC1AJ-MS Matrix.....: WG
MS Lot-Sample #: A7D200101-013 JVAKC1AK-MSD
Date Sampled...: 04/19/07 09:00 Date Received..: 04/20/07
Prep Date.....: 04/23/07 Analysis Date..: 04/27/07
Prep Batch #...: 7113038
Dilution Factor: 2 Initial Wgt/Vol: 500 mL Final Wgt/Vol..: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	114	(62 - 133)			SW846 8081A
	110	(62 - 133)	3.5	(0-49)	SW846 8081A
beta-BHC	108	(37 - 157)			SW846 8081A
	106	(37 - 157)	1.9	(0-54)	SW846 8081A
delta-BHC	115	(36 - 176)			SW846 8081A
	112	(36 - 176)	2.3	(0-58)	SW846 8081A
gamma-BHC (Lindane)	**116**	**(30 - 148)**			**SW846 8081A**
	112	**(30 - 148)**	**3.4**	**(0-22)**	**SW846 8081A**
Heptachlor	**112**	**(30 - 150)**			**SW846 8081A**
	109	**(30 - 150)**	**2.9**	**(0-32)**	**SW846 8081A**
Aldrin	**100**	**(30 - 150)**			**SW846 8081A**
	98	**(30 - 150)**	**2.1**	**(0-33)**	**SW846 8081A**
Heptachlor epoxide	110	(57 - 138)			SW846 8081A
	106	(57 - 138)	3.5	(0-54)	SW846 8081A
Endosulfan I	75	(30 - 150)			SW846 8081A
	72	(30 - 150)	2.9	(0-36)	SW846 8081A
Dieldrin	**111**	**(35 - 141)**			**SW846 8081A**
	107	**(35 - 141)**	**3.5**	**(0-37)**	**SW846 8081A**
4,4'-DDE	99	(30 - 146)			SW846 8081A
	96	(30 - 146)	3.3	(0-87)	SW846 8081A
Endrin	**116**	**(30 - 150)**			**SW846 8081A**
	112	**(30 - 150)**	**3.6**	**(0-40)**	**SW846 8081A**
Endosulfan II	84	(30 - 150)			SW846 8081A
	81	(30 - 150)	3.3	(0-87)	SW846 8081A
4,4'-DDD	133	(30 - 150)			SW846 8081A
	127	(30 - 150)	4.7	(0-61)	SW846 8081A
Endosulfan sulfate	115	(47 - 143)			SW846 8081A
	108	(47 - 143)	5.9	(0-53)	SW846 8081A
4,4'-DDT	**90**	**(30 - 150)**			**SW846 8081A**
	84	**(30 - 150)**	**6.3**	**(0-50)**	**SW846 8081A**
Methoxychlor	112	(27 - 178)			SW846 8081A
	103	(27 - 178)	8.1	(0-64)	SW846 8081A
Endrin ketone	122	(45 - 130)			SW846 8081A
	114	(45 - 130)	6.9	(0-55)	SW846 8081A
Endrin aldehyde	119	(30 - 150)			SW846 8081A
	112	(30 - 150)	6.4	(0-97)	SW846 8081A
alpha-Chlordane	109	(38 - 140)			SW846 8081A
	106	(38 - 140)	3.1	(0-55)	SW846 8081A
gamma-Chlordane	114	(36 - 150)			SW846 8081A
	110	(36 - 150)	3.5	(0-57)	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	99	(39 - 130)
	93	(39 - 130)
Decachlorobiphenyl	50	(10 - 147)
	51	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

POLYCHLORINATED BIPHENYLS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-001	**Work Order #...:** JVAJX1AG	**Matrix.....:** WG	
Date Sampled...: 04/18/07 16:55	**Date Received..:** 04/20/07		
Prep Date.....: 04/24/07	**Analysis Date..:** 04/27/07		
Prep Batch #...: 7114032			
Dilution Factor: 1	**Initial Wgt/Vol:** 1000 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(35 - 130)
Decachlorobiphenyl	72	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-003	**Work Order #...:** JVAJ11AH		**Matrix.....:** WG
Date Sampled...: 04/19/07 10:34	**Date Received..:** 04/20/07		
Prep Date.....: 04/24/07	**Analysis Date..:** 04/27/07		
Prep Batch #...: 7114032			
Dilution Factor: 1	**Initial Wgt/Vol:** 1050 mL		**Final Wgt/Vol..:** 2 mL
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(35 - 130)
Decachlorobiphenyl	42	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-005	**Work Order #...:**	JVAJ31AG	**Matrix.....:**	WG
Date Sampled...:	04/19/07 14:10	**Date Received..:**	04/20/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7114032				
Dilution Factor:	1	**Initial Wgt/Vol:**	940 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(35 - 130)
Decachlorobiphenyl	84	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-007	**Work Order #...:**	JVAJ51AH	**Matrix.....:**	WG
Date Sampled...:	04/19/07 08:50	**Date Received..:**	04/20/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7114032				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	75	(35 - 130)
Decachlorobiphenyl	71	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-009	**Work Order #...:**	JVAJ71AT	**Matrix.....:**	WG
Date Sampled...:	04/19/07 11:20	**Date Received..:**	04/20/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7114032				
Dilution Factor:	1	**Initial Wgt/Vol:**	980 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(35 - 130)
Decachlorobiphenyl	77	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-011	**Work Order #...:**	JVAJ91AH	**Matrix.....:**	WG
Date Sampled...:	04/19/07 10:34	**Date Received..:**	04/20/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7114032				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(35 - 130)
Decachlorobiphenyl	42	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-013	**Work Order #...:**	JVAKC1AT	**Matrix.....:**	WG
Date Sampled...:	04/19/07 09:00	**Date Received..:**	04/20/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7114032				
Dilution Factor:	1	**Initial Wgt/Vol:**	900 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(35 - 130)
Decachlorobiphenyl	59	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-015	**Work Order #...:** JVAKE1AG	**Matrix.....:** WG	
Date Sampled...: 04/19/07 13:45	**Date Received..:** 04/20/07		
Prep Date.....: 04/24/07	**Analysis Date..:** 04/27/07		
Prep Batch #...: 7114032			
Dilution Factor: 1	**Initial Wgt/Vol:** 930 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(35 - 130)
Decachlorobiphenyl	94	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-017	**Work Order #...:** JVAKJ1AG	**Matrix.....:** WG	
Date Sampled...: 04/19/07 14:50	**Date Received..:** 04/20/07		
Prep Date.....: 04/24/07	**Analysis Date..:** 04/27/07		
Prep Batch #...: 7114032			
Dilution Factor: 1	**Initial Wgt/Vol:** 1020 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(35 - 130)
Decachlorobiphenyl	91	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-019	**Work Order #...:**	JVAKL1AG	**Matrix.....:**	WG
Date Sampled...:	04/19/07 15:10	**Date Received..:**	04/20/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7114032				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(35 - 130)
Decachlorobiphenyl	38	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-021 Work Order #...: JVAKN1AH Matrix.....: WG
Date Sampled...: 04/19/07 12:30 Date Received..: 04/20/07
Prep Date.....: 04/24/07 Analysis Date..: 04/27/07
Prep Batch #...: 7114032
Dilution Factor: 1 Initial Wgt/Vol: 1020 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(35 - 130)
Decachlorobiphenyl	42	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

GC Semivolatiles

Lot-Sample #...:	A7D200101-023	**Work Order #...:**	JVAKR1AH	**Matrix.....:**	WQ
Date Sampled...:	04/19/07 13:14	**Date Received..:**	04/20/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7114032				
Dilution Factor:	1	**Initial Wgt/Vol:**	1030 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(35 - 130)
Decachlorobiphenyl	84	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

GC Semivolatiles

Lot-Sample #...: A7D200101-025 **Work Order #...:** JVAKW1AH **Matrix.....:** WG
Date Sampled...: 04/19/07 08:55 **Date Received..:** 04/20/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7114032
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(35 - 130)
Decachlorobiphenyl	60	(10 - 110)

Data File: 047B4701.D
Report Date: 27-Apr-2007 10:34

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: [redacted]
Lab File ID: 047B4701.D Init. Cal. Date(s): 19-APR-2007 20-APR-2007
Analysis Type: Init. Cal. Times: 13:29 01:14
Lab Sample ID: [redacted] Quant Type: ESTD
Method: \\CANSVR11\DD\chem\GCS\a2hp4.i\70426-1.b\HP4PCBF.m\HP4PCBR.m

COMPOUND	RRF / AMOUNT	RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	125724980	126436800	0.010	-0.56617	15.00000	Averaged	
3 AROCLOR-1016 (1)	2106208	2434700	0.010	-15.59639	15.00000	Averaged	<-
(2)	4068639	4499240	0.010	-10.58342	15.00000	Averaged	
(3)	8322141	9538660	0.010	-14.61786	15.00000	Averaged	
(4)	3628968	3993520	0.010	-10.04562	15.00000	Averaged	
(5)	2892495	3288480	0.010	-13.69010	15.00000	Averaged	
[redacted]	5667696	7057000	0.010	[redacted]	15.00000	Averaged	<-
(2)	6292672	8326980	0.010	[redacted]	15.00000	Averaged	<-
(3)	5032254	6651620	0.010	[redacted]	15.00000	Averaged	<-
(4)	5588862	7426340	0.010	[redacted]	15.00000	Averaged	<-
(5)	11574211	15685380	0.010	[redacted]	15.00000	Averaged	<-
$ 12 DCB	111998123	137828800	0.010	-23.06349	15.00000	Averaged	<-

Data File: 068B6801.D
Report Date: 27-Apr-2007 10:33

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: [redacted]
Lab File ID: 068B6801.D Init. Cal. Date(s): 19-APR-2007 20-APR-2007
Analysis Type: Init. Cal. Times: 13:29 01:14
Lab Sample ID: [redacted] Quant Type: ESTD
Method: \\CANSVR11\DD\chem\GCS\a2hp4.i\70426-1.b\HP4PCBF.m\HP4PCBR.m

COMPOUND	RRF / AMOUNT	RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	125724980	135746400	0.010	-7.97091	15.00000	Averaged	
3 AROCLOR-1016 (1)	2106208	2684120	0.010	-27.43853	15.00000	Averaged	<-
(2)	4068639	4858920	0.010	-19.42373	15.00000	Averaged	<-
(3)	8322141	10341060	0.010	-24.25961	15.00000	Averaged	<-
(4)	3628968	4451340	0.010	-22.66133	15.00000	Averaged	<-
(5)	2892495	3551360	0.010	-22.77845	15.00000	Averaged	<-
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
(2)	6292672	8658800	0.010	[redacted]	15.00000	Averaged	<-
(3)	5032254	6626320	0.010	[redacted]	15.00000	Averaged	<-
(4)	5588862	7562160	0.010	[redacted]	15.00000	Averaged	<-
(5)	11574211	16459900	0.010	[redacted]	15.00000	Averaged	<-
$ 12 DCB	111998123	142005200	0.010	-26.79248	15.00000	Averaged	<-

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVHGV1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D240000-032

Prep Date.....: 04/24/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/27/07 **Prep Batch #...:** 7114032
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	0.50	ug/L	SW846 8082
Aroclor 1221	ND	0.50	ug/L	SW846 8082
Aroclor 1232	ND	0.50	ug/L	SW846 8082
Aroclor 1242	ND	0.50	ug/L	SW846 8082
Aroclor 1248	ND	0.50	ug/L	SW846 8082
Aroclor 1254	ND	0.50	ug/L	SW846 8082
Aroclor 1260	ND	0.50	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(35 - 130)
Decachlorobiphenyl	88	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVHGV1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-032
Prep Date.....: 04/24/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7114032
Dilution Factor: 5 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**88**	**(50 - 115)**	**SW846 8082**
Aroclor 1260	**90**	**(45 - 112)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(35 - 130)
Decachlorobiphenyl	54	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AU-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AV-MSD
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7114032
Dilution Factor: 5 **Initial Wgt/Vol:** 470 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**93**	**(10 - 200)**			**SW846 8082**
	94	**(10 - 200)**	**0.95**	**(0-30)**	**SW846 8082**
Aroclor 1260	**96**	**(10 - 150)**			**SW846 8082**
	95	**(10 - 150)**	**0.78**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(35 - 130)
	91	(35 - 130)
Decachlorobiphenyl	102	(10 - 110)
	99	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AV-MSD
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7114032
Dilution Factor: 5 **Initial Wgt/Vol:** 480 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**89**	**(10 - 200)**			**SW846 8082**
	96	**(10 - 200)**	**7.6**	**(0-30)**	**SW846 8082**
Aroclor 1260	**77**	**(10 - 150)**			**SW846 8082**
	81	**(10 - 150)**	**4.9**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(35 - 130)
	89	(35 - 130)
Decachlorobiphenyl	49	(10 - 110)
	53	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Surrogate Recovery Outlier Report

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
FWGBKGmw-010C-0409-GW	A7D200101019	8082	1	AQ	Decachlorobiphenyl	38	50.0	150.0	10.0	All Target
FWGBKGmw-017C-0414-GW	A7D200101013	8081A	1	AQ	Decachlorobiphenyl	37	50.0	150.0	10.0	All Target
FWGBKGmw-017C-0414-GWMS	A7D200101013S	8082	5	AQ	Decachlorobiphenyl	49	50.0	150.0	10.0	All Target
FWGLL12mw-153C-0431-GW	A7D200101021	8082	1	AQ	Decachlorobiphenyl	42	50.0	150.0	10.0	All Target
FWGLL12mw-182C-0432-GW	A7D200101011	8081A	1	AQ	Decachlorobiphenyl	48	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	42	50.0	150.0	10.0	All Target
		8270C			2-Fluorophenol	28	50.0	150.0	10.0	Acid
					Phenol-d5	49	50.0	150.0	10.0	Acid
FWGLL12mw-DUP4-0451-GW	A7D200101003	8081A	1	AQ	Decachlorobiphenyl	37	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	42	50.0	150.0	10.0	All Target

METALS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GF

TOTAL Metals

Lot-Sample #...: A7D200101-002 Matrix.....: WG
Date Sampled...: 04/18/07 16:55 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 18:57	04/23/07 Analyst ID.....: 001637	JVAJ01AX
Aluminum	ND	50.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 15:10	04/23-04/25/07 Analyst ID.....: 002260	JVAJ01AA
Arsenic	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 18:57	04/23/07 Analyst ID.....: 001637	JVAJ01AJ
Barium	**302**	**10.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 18:57	**04/23/07** Analyst ID.....: 001637	**JVAJ01AN**
Beryllium	ND	1.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 15:10	04/23-04/25/07 Analyst ID.....: 002260	JVAJ01AD
Calcium	**31600 J**	**1000** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 18:57	**04/23/07** Analyst ID.....: 001637	**JVAJ01AP**
Cadmium	ND	0.50 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 15:10	04/23-04/25/07 Analyst ID.....: 002260	JVAJ01AE
Cobalt	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 18:57	04/23/07 Analyst ID.....: 001637	JVAJ01AQ
Chromium	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 18:57	04/23/07 Analyst ID.....: 001637	JVAJ01A2
Copper	**3.2 B,J**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 18:57	**04/23/07** Analyst ID.....: 001637	**JVAJ01AR**

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GF

TOTAL Metals

Lot-Sample #...: A7D200101-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**128**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ01AF**
		Dilution Factor: 1		Analysis Time..: 15:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**4780 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ01AW**
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**13200**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ01AT**
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**11.3 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ01AU**
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**14200**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ01A0**
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**3.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ01AV**
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAJ01AK
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ01AC
		Dilution Factor: 1		Analysis Time..: 15:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ01AL
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ01AG
		Dilution Factor: 1		Analysis Time..: 15:10	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GF

TOTAL Metals

Lot-Sample #...: A7D200101-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ01A1
		Dilution Factor: 1		Analysis Time..: 18:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**13.6 J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ01AH**
		Dilution Factor: 1		Analysis Time..: 15:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAJ01AM
		Dilution Factor: 1		Analysis Time..: 11:44	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GF

TOTAL Metals

Lot-Sample #...: A7D200101-004 Matrix.....: WG
Date Sampled...: 04/19/07 10:34 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ21A2
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**11.8 B**	**50.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ21AE**
		Dilution Factor: 1		Analysis Time..: 15:13	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**35.6**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ21AM**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**88.7**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ21AR**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ21AG
		Dilution Factor: 1		Analysis Time..: 15:13	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**88700 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ21AT**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVAJ21AH
		Dilution Factor: 1		Analysis Time..: 15:13	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ21AU
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ21AD
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.5 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ21AV**
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GF

TOTAL Metals

Lot-Sample #...: A7D200101-004 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	1170	20.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ21AJ
		Dilution Factor: 1		Analysis Time..: 15:13	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	4010 J	1000	ug/L	SW846 6010B	04/23/07	JVAJ21A1
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	66100	1000	ug/L	SW846 6010B	04/23/07	JVAJ21AW
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	56.4 J	10.0	ug/L	SW846 6010B	04/23/07	JVAJ21AX
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	28400	1000	ug/L	SW846 6010B	04/23/07	JVAJ21AA
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ21A0
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAJ21AN
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ21AF
		Dilution Factor: 1		Analysis Time..: 15:13	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ21AP
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ21AK
		Dilution Factor: 1		Analysis Time..: 15:13	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GF

TOTAL Metals

Lot-Sample #...: A7D200101-004 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ21AC
		Dilution Factor: 1		Analysis Time..: 19:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.3 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ21AL**
		Dilution Factor: 1		Analysis Time..: 15:13	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAJ21AQ
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GF

TOTAL Metals

Lot-Sample #...: A7D200101-006 Matrix.....: WG
Date Sampled...: 04/19/07 14:10 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 19:07	04/23/07 Analyst ID.....: 001637	JVAJ41A2
Aluminum	**3.7 B**	**50.0** Dilution Factor: 1 Instrument ID..: I7	**ug/L**	**SW846 6020** Analysis Time..: 15:16	**04/23-04/25/07** Analyst ID.....: 002260	**JVAJ41AE**
Arsenic	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 19:07	04/23/07 Analyst ID.....: 001637	JVAJ41AM
Barium	**20.6**	**10.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 19:07	**04/23/07** Analyst ID.....: 001637	**JVAJ41AR**
Beryllium	ND	1.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 15:16	04/23-04/25/07 Analyst ID.....: 002260	JVAJ41AG
Calcium	**18200 J**	**1000** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 19:07	**04/23/07** Analyst ID.....: 001637	**JVAJ41AT**
Cadmium	ND	0.50 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 15:16	04/23-04/25/07 Analyst ID.....: 002260	JVAJ41AH
Cobalt	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 19:07	04/23/07 Analyst ID.....: 001637	JVAJ41AU
Chromium	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 19:07	04/23/07 Analyst ID.....: 001637	JVAJ41AD
Copper	**2.1 B,J**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 19:07	**04/23/07** Analyst ID.....: 001637	**JVAJ41AV**

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GF

TOTAL Metals

Lot-Sample #...: A7D200101-006 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**144**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ41AJ**
		Dilution Factor: 1		Analysis Time..: 15:16	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**663 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ41A1**
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**6630**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ41AW**
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**0.80 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ41AX**
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**13300**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ41AA**
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ41A0
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAJ41AN
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ41AF
		Dilution Factor: 1		Analysis Time..: 15:16	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ41AP
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ41AK
		Dilution Factor: 1		Analysis Time..: 15:16	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GF

TOTAL Metals

Lot-Sample #...: A7D200101-006 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ41AC
		Dilution Factor: 1		Analysis Time..: 19:07	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.4 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ41AL**
		Dilution Factor: 1		Analysis Time..: 15:16	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAJ41AQ
		Dilution Factor: 1		Analysis Time..: 11:47	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GF

TOTAL Metals

Lot-Sample #...: A7D200101-008 Matrix.....: WG
Date Sampled...: 04/19/07 08:50 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ61A2
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**11.6 B**	**50.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ61AE**
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ61AM
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**46.9**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ61AR**
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ61AG
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**139000 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ61AT**
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVAJ61AH
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**1.3 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ61AU**
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ61AD
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**3.4 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ61AV**
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GF

TOTAL Metals

Lot-Sample #...: A7D200101-008 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	820	20.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ61AJ
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	1340 J	1000	ug/L	SW846 6010B	04/23/07	JVAJ61A1
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	64100	1000	ug/L	SW846 6010B	04/23/07	JVAJ61AW
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	287 J	10.0	ug/L	SW846 6010B	04/23/07	JVAJ61AX
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	16200	1000	ug/L	SW846 6010B	04/23/07	JVAJ61AA
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	3.8 B	10.0	ug/L	SW846 6010B	04/23/07	JVAJ61A0
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAJ61AN
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ61AF
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ61AP
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ61AK
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GF

TOTAL Metals

Lot-Sample #...: A7D200101-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ61AC
		Dilution Factor: 1		Analysis Time..: 19:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.0 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ61AL**
		Dilution Factor: 1		Analysis Time..: 15:19	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAJ61AQ
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GF

TOTAL Metals

Lot-Sample #...: A7D200101-010 Matrix.....: WG
Date Sampled...: 04/19/07 11:20 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ81DH
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ81AL
		Dilution Factor: 1		Analysis Time..: 15:22	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ81CA
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**30.4**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ81CP**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ81AT
		Dilution Factor: 1		Analysis Time..: 15:22	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**82400 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ81CT**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVAJ81AW
		Dilution Factor: 1		Analysis Time..: 15:22	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ81CW
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ81AH
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.8 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ81C1**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GF

TOTAL Metals

Lot-Sample #...: A7D200101-010 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**293**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ81A1**
		Dilution Factor: 1		Analysis Time..: 15:22	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**689 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ81DE**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**47700**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ81C4**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ81C7
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**15800**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAJ81AA**
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ81DA
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAJ81CE
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ81AP
		Dilution Factor: 1		Analysis Time..: 15:22	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAJ81CH
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAJ81A4
		Dilution Factor: 1		Analysis Time..: 15:22	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GF

TOTAL Metals

Lot-Sample #...: A7D200101-010 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAJ81AE
		Dilution Factor: 1		Analysis Time..: 19:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.0 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAJ81A7**
		Dilution Factor: 1		Analysis Time..: 15:22	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAJ81CL
		Dilution Factor: 1		Analysis Time..: 11:49	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GF

TOTAL Metals

Lot-Sample #...: A7D200101-012 Matrix.....: WG
Date Sampled...: 04/19/07 10:34 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 19:54	04/23/07 Analyst ID.....: 001637	JVAKA1A2
Aluminum	**14.7 B**	**50.0** Dilution Factor: 1 Instrument ID..: I7	**ug/L**	**SW846 6020** Analysis Time..: 15:54	**04/23-04/25/07** Analyst ID.....: 002260	**JVAKA1AE**
Arsenic	**35.3**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 19:54	**04/23/07** Analyst ID.....: 001637	**JVAKA1AM**
Barium	**85.8**	**10.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 19:54	**04/23/07** Analyst ID.....: 001637	**JVAKA1AR**
Beryllium	ND	1.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 15:54	04/23-04/25/07 Analyst ID.....: 002260	JVAKA1AG
Calcium	**83700 J**	**1000** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 19:54	**04/23/07** Analyst ID.....: 001637	**JVAKA1AT**
Cadmium	ND	0.50 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 15:54	04/23-04/25/07 Analyst ID.....: 002260	JVAKA1AH
Cobalt	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 19:54	04/23/07 Analyst ID.....: 001637	JVAKA1AU
Chromium	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 19:54	04/23/07 Analyst ID.....: 001637	JVAKA1AD
Copper	**2.4 B,J**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 19:54	**04/23/07** Analyst ID.....: 001637	**JVAKA1AV**

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GF

TOTAL Metals

Lot-Sample #...: A7D200101-012 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1170**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKA1AJ**
		Dilution Factor: 1		Analysis Time..: 15:54	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**3950 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKA1A1**
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**61900**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKA1AW**
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**52.6 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKA1AX**
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**27300**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKA1AA**
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKA1A0
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAKA1AN
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAKA1AF
		Dilution Factor: 1		Analysis Time..: 15:54	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKA1AP
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKA1AK
		Dilution Factor: 1		Analysis Time..: 15:54	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GF

TOTAL Metals

Lot-Sample #...: A7D200101-012 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKA1AC
		Dilution Factor: 1		Analysis Time..: 19:54	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.1 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKA1AL**
		Dilution Factor: 1		Analysis Time..: 15:54	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAKA1AQ
		Dilution Factor: 1		Analysis Time..: 11:56	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GF

TOTAL Metals

Lot-Sample #...: A7D200101-014 Matrix.....: WG
Date Sampled...: 04/19/07 09:00 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKD1DH
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**419**	**50.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKD1AL**
		Dilution Factor: 1		Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**15.4**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKD1CA**
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**40.1**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKD1CP**
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKD1AT
		Dilution Factor: 1		Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**88600 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKD1CT**
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVAKD1AW
		Dilution Factor: 1		Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKD1CW
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKD1AH
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**4.5 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKD1C1**
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GF

TOTAL Metals

Lot-Sample #...: A7D200101-014 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	2050	20.0	ug/L	SW846 6020	04/23-04/25/07	JVAKD1A1
		Dilution Factor: 1		Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	4760 J	1000	ug/L	SW846 6010B	04/23/07	JVAKD1DE
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	40000	1000	ug/L	SW846 6010B	04/23/07	JVAKD1C4
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	190 J	10.0	ug/L	SW846 6010B	04/23/07	JVAKD1C7
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	22200	1000	ug/L	SW846 6010B	04/23/07	JVAKD1AA
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	2.5 B	10.0	ug/L	SW846 6010B	04/23/07	JVAKD1DA
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAKD1CE
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAKD1AP
		Dilution Factor: 1		Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKD1CH
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	0.031 B	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKD1A4
		Dilution Factor: 1		Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GF

TOTAL Metals

Lot-Sample #...: A7D200101-014 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKD1AE
		Dilution Factor: 1		Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**12.4 J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKD1A7**
		Dilution Factor: 1		Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAKD1CL
		Dilution Factor: 1		Analysis Time..: 11:58	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GF

TOTAL Metals

Lot-Sample #...: A7D200101-016 **Matrix.....:** WG
Date Sampled...: 04/19/07 13:45 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKH1A2
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/23-04/25/07	JVAKH1AE
		Dilution Factor: 1		Analysis Time..: 16:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKH1AM
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**20.2**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1AR**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKH1AG
		Dilution Factor: 1		Analysis Time..: 16:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**17200 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1AT**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVAKH1AH
		Dilution Factor: 1		Analysis Time..: 16:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKH1AU
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKH1AD
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.7 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1AV**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GF

TOTAL Metals

Lot-Sample #...: A7D200101-016 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**53.8**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKH1AJ**
		Dilution Factor: 1		Analysis Time..: 16:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**653 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1A1**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**6260**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1AW**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**0.89 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1AX**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**12900**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1AA**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**1.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKH1A0**
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAKH1AN
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAKH1AF
		Dilution Factor: 1		Analysis Time..: 16:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKH1AP
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKH1AK
		Dilution Factor: 1		Analysis Time..: 16:11	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GF

TOTAL Metals

Lot-Sample #...: A7D200101-016 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKH1AC
		Dilution Factor: 1		Analysis Time..: 20:19	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.0 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKH1AL**
		Dilution Factor: 1		Analysis Time..: 16:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAKH1AQ
		Dilution Factor: 1		Analysis Time..: 12:01	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GF

TOTAL Metals

Lot-Sample #...: A7D200101-018 **Matrix.....:** WG
Date Sampled...: 04/19/07 14:50 **Date Received..:** 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKK1A2
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/23-04/25/07	JVAKK1AE
		Dilution Factor: 1		Analysis Time..: 16:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKK1AM
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**5.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKK1AR**
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKK1AG
		Dilution Factor: 1		Analysis Time..: 16:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**30300 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKK1AT**
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVAKK1AH
		Dilution Factor: 1		Analysis Time..: 16:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKK1AU
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKK1AD
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.3 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKK1AV**
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GF

TOTAL Metals

Lot-Sample #...: A7D200101-018 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**95.4**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKK1AJ**
		Dilution Factor: 1		Analysis Time..: 16:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**480 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKK1A1**
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**12200**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKK1AW**
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**0.27 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKK1AX**
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**10200**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKK1AA**
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKK1A0
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAKK1AN
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAKK1AF
		Dilution Factor: 1		Analysis Time..: 16:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKK1AP
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKK1AK
		Dilution Factor: 1		Analysis Time..: 16:14	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GF

TOTAL Metals

Lot-Sample #...: A7D200101-018 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKK1AC
		Dilution Factor: 1		Analysis Time..: 20:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**3.9 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKK1AL**
		Dilution Factor: 1		Analysis Time..: 16:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAKK1AQ
		Dilution Factor: 1		Analysis Time..: 12:03	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GF

TOTAL Metals

Lot-Sample #...: A7D200101-020 Matrix.....: WG
Date Sampled...: 04/19/07 15:10 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKM1A2
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**156**	**50.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKM1AE**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKM1AM
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**21.4**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1AR**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKM1AG
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**11600 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1AT**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	**0.14 B**	**0.50**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKM1AH**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKM1AU
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKM1AD
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**3.6 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1AV**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GF

TOTAL Metals

Lot-Sample #...: A7D200101-020 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**43.4**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKM1AJ**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**540 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1A1**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**15600**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1AW**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**944 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1AX**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**3730**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1AA**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**78.7**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKM1A0**
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAKM1AN
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAKM1AF
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKM1AP
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKM1AK
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GF

TOTAL Metals

Lot-Sample #...: A7D200101-020 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKM1AC
		Dilution Factor: 1		Analysis Time..: 20:46	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**11.6 J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKM1AL**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAKM1AQ
		Dilution Factor: 1		Analysis Time..: 12:04	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GF

TOTAL Metals

Lot-Sample #...: A7D200101-022 Matrix.....: WG
Date Sampled...: 04/19/07 12:30 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:51	04/23/07 Analyst ID.....: 001637	JVAKQ1A2
Aluminum	**13.3 B**	**50.0** Dilution Factor: 1 Instrument ID..: I7	**ug/L**	**SW846 6020** Analysis Time..: 16:29	**04/23-04/25/07** Analyst ID.....: 002260	**JVAKQ1AE**
Arsenic	**14.6**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 20:51	**04/23/07** Analyst ID.....: 001637	**JVAKQ1AM**
Barium	**74.9**	**10.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 20:51	**04/23/07** Analyst ID.....: 001637	**JVAKQ1AR**
Beryllium	ND	1.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 16:29	04/23-04/25/07 Analyst ID.....: 002260	JVAKQ1AG
Calcium	**138000 J**	**1000** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 20:51	**04/23/07** Analyst ID.....: 001637	**JVAKQ1AT**
Cadmium	ND	0.50 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 16:29	04/23-04/25/07 Analyst ID.....: 002260	JVAKQ1AH
Cobalt	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:51	04/23/07 Analyst ID.....: 001637	JVAKQ1AU
Chromium	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:51	04/23/07 Analyst ID.....: 001637	JVAKQ1AD
Copper	**3.0 B,J**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 20:51	**04/23/07** Analyst ID.....: 001637	**JVAKQ1AV**

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GF

TOTAL Metals

Lot-Sample #...: A7D200101-022 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**4000**	**20.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKQ1AJ**
		Dilution Factor: 1		Analysis Time..: 16:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1950 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKQ1A1**
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**75500**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKQ1AW**
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**198 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKQ1AX**
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**25400**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKQ1AA**
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**1.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKQ1A0**
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAKQ1AN
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAKQ1AF
		Dilution Factor: 1		Analysis Time..: 16:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKQ1AP
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKQ1AK
		Dilution Factor: 1		Analysis Time..: 16:29	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GF

TOTAL Metals

Lot-Sample #...: A7D200101-022 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKQ1AC
		Dilution Factor: 1		Analysis Time..: 20:51	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**7.9 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKQ1AL**
		Dilution Factor: 1		Analysis Time..: 16:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAKQ1AQ
		Dilution Factor: 1		Analysis Time..: 12:05	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

TOTAL Metals

Lot-Sample #...: A7D200101-023 Matrix.....: WQ
Date Sampled...: 04/19/07 13:14 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:56	04/23/07 Analyst ID.....: 001637	JVAKR1A8
Aluminum	ND	50.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 16:32	04/23-04/25/07 Analyst ID.....: 002260	JVAKR1AL
Arsenic	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:56	04/23/07 Analyst ID.....: 001637	JVAKR1AU
Barium	ND	10.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:56	04/23/07 Analyst ID.....: 001637	JVAKR1A0
Beryllium	ND	1.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 16:32	04/23-04/25/07 Analyst ID.....: 002260	JVAKR1AN
Calcium	**99.5 B,J**	**1000** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 20:56	**04/23/07** Analyst ID.....: 001637	**JVAKR1A1**
Cadmium	ND	0.50 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 16:32	04/23-04/25/07 Analyst ID.....: 002260	JVAKR1AP
Cobalt	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:56	04/23/07 Analyst ID.....: 001637	JVAKR1A2
Chromium	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 20:56	04/23/07 Analyst ID.....: 001637	JVAKR1CC
Copper	**2.2 B,J**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 20:56	**04/23/07** Analyst ID.....: 001637	**JVAKR1A3**

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

TOTAL Metals

Lot-Sample #...: A7D200101-023 Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	20.0	ug/L	SW846 6020	04/23-04/25/07	JVAKR1AQ
		Dilution Factor: 1		Analysis Time..: 16:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**147 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAKR1A7**
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	ND	1000	ug/L	SW846 6010B	04/23/07	JVAKR1A4
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKR1A5
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	ND	1000	ug/L	SW846 6010B	04/23/07	JVAKR1A9
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKR1A6
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAKR1AV
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAKR1AM
		Dilution Factor: 1		Analysis Time..: 16:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAKR1AW
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAKR1AR
		Dilution Factor: 1		Analysis Time..: 16:32	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

TOTAL Metals

Lot-Sample #...: A7D200101-023 Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAKR1CA
		Dilution Factor: 1		Analysis Time..: 20:56	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**2.3 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAKR1AT**
		Dilution Factor: 1		Analysis Time..: 16:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAKR1AX
		Dilution Factor: 1		Analysis Time..: 12:06	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GF

TOTAL Metals

Lot-Sample #...: A7D200101-026 Matrix.....: WG
Date Sampled...: 04/19/07 08:55 Date Received..: 04/20/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7113019						
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAK11A2
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**5.3 B**	**50.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAK11AE**
		Dilution Factor: 1		Analysis Time..: 16:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**20.2**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAK11AM**
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**78.4**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAK11AR**
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAK11AG
		Dilution Factor: 1		Analysis Time..: 16:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**116000 J**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAK11AT**
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVAK11AH
		Dilution Factor: 1		Analysis Time..: 16:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAK11AU
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAK11AD
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.8 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVAK11AV**
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GF

TOTAL Metals

Lot-Sample #...: A7D200101-026 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	830	20.0	ug/L	SW846 6020	04/23-04/25/07	JVAK11AJ
		Dilution Factor: 1		Analysis Time..: 16:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	3880 J	1000	ug/L	SW846 6010B	04/23/07	JVAK11A1
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	46200	1000	ug/L	SW846 6010B	04/23/07	JVAK11AW
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	53.4 J	10.0	ug/L	SW846 6010B	04/23/07	JVAK11AX
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	18700	1000	ug/L	SW846 6010B	04/23/07	JVAK11AA
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAK11A0
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVAK11AN
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVAK11AF
		Dilution Factor: 1		Analysis Time..: 16:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVAK11AP
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVAK11AK
		Dilution Factor: 1		Analysis Time..: 16:35	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GF

TOTAL Metals

Lot-Sample #...: A7D200101-026 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVAK11AC
		Dilution Factor: 1		Analysis Time..: 21:01	Analyst ID.....: 001637	
		Instrument ID..: IS				
Zinc	**5.0 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVAK11AL**
		Dilution Factor: 1		Analysis Time..: 16:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVAK11AQ
		Dilution Factor: 1		Analysis Time..: 11:53	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Method Blank Outlier Report

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN

Analysis Method : 6010B **Analysis Date :** 04/23/2007

Preparation Type : 3005A **Preparation Date :** 04/23/2007

Method Blank Lab Sample ID : A7D230000019B **Preparation Batch :** 7113019

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	351	1000	ug/L	B	

Calcium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGEQUIPRinse4-0459C-G	A7D200101023	1	99.5	B J	ug/L

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	2.8	5.0	ug/L	B	

Copper was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-004C-0405-GF	A7D200101016	1	2.7	B J	ug/L
FWGBKGmw-008C-0408-GF	A7D200101018	1	2.3	B J	ug/L
FWGBKGmw-010C-0409-GF	A7D200101020	1	3.6	B J	ug/L
FWGBKGmw-015C-0412-GF	A7D200101002	1	3.2	B J	ug/L
FWGBKGmw-017C-0414-GF	A7D200101014	1	4.5	B J	ug/L
FWGBKGmw-021C-0418-GF	A7D200101010	1	2.8	B J	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101006	1	2.1	B J	ug/L
FWGEQUIPRinse4-0459C-G	A7D200101023	1	2.2	B J	ug/L
FWGLL12mw-153C-0431-GF	A7D200101022	1	3.0	B J	ug/L
FWGLL12mw-182C-0432-GF	A7D200101012	1	2.4	B J	ug/L
FWGLL12mw-183C-0433-GF	A7D200101026	1	2.8	B J	ug/L
FWGLL12mw-186C-0434-GF	A7D200101008	1	3.4	B J	ug/L
FWGLL12mw-DUP4-0451-G	A7D200101004	1	2.5	B J	ug/L

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.71	10.0	ug/L	B	

Result less than ½ MRL acceptable per LCG No Qual AM 6/14/07

Manganese was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-004C-0405-GF	A7D200101016	1	0.89	B J	ug/L
FWGBKGmw-008C-0408-GF	A7D200101018	1	0.27	B J	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101006	1	0.80	B J	ug/L

Method Blank Outlier Report

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN

Analysis Method : 6010B **Analysis Date :** 04/23/2007

Preparation Type : 3005A **Preparation Date :** 04/23/2007

Method Blank Lab Sample ID : A7D230000019B **Preparation Batch :** 7113019

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	149	1000	ug/L	B	

Result less than 1/2 MRL acceptable per LCG, NO Qual AM 6/14/07

Potassium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-004C-0405-GF	A7D200101016	1	653	B J	ug/L
FWGBKGmw-008C-0408-GF	A7D200101018	1	480	B J	ug/L
FWGBKGmw-010C-0409-GF	A7D200101020	1	540	B J	ug/L
FWGBKGmw-021C-0418-GF	A7D200101010	1	689	B J	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101006	1	663	B J	ug/L
FWGEQUIPRinse4-0459C-G	A7D200101023	1	147	B J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	4.6	10.0	ug/L	B	

less than 1/2 MRL, acceptable per LCG, No Qual AM 6/14

Zinc was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-004C-0405-GF	A7D200101016	1	5.0	B J	ug/L
FWGBKGmw-008C-0408-GF	A7D200101018	1	3.9	B J	ug/L
FWGBKGmw-010C-0409-GF	A7D200101020	1	11.6	J	ug/L
FWGBKGmw-015C-0412-GF	A7D200101002	1	13.6	J	ug/L
FWGBKGmw-017C-0414-GF	A7D200101014	1	12.4	J	ug/L
FWGBKGmw-021C-0418-GF	A7D200101010	1	6.0	B J	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101006	1	5.4	B J	ug/L
FWGEQUIPRinse4-0459C-G	A7D200101023	1	2.3	B J	ug/L
FWGLL12mw-153C-0431-GF	A7D200101022	1	7.9	B J	ug/L
FWGLL12mw-182C-0432-GF	A7D200101012	1	6.1	B J	ug/L
FWGLL12mw-183C-0433-GF	A7D200101026	1	5.0	B J	ug/L
FWGLL12mw-186C-0434-GF	A7D200101008	1	6.0	B J	ug/L
FWGLL12mw-DUP4-0451-G	A7D200101004	1	5.3	B J	ug/L

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7D230000-019 **Prep Batch #...:** 7113019						
Aluminum	ND	50.0	ug/L	SW846 6020	04/23-04/25/07	JVFWP1AE
		Dilution Factor: 1				
		Analysis Time..: 15:03		Analyst ID.....: 002260	Instrument ID..: I7	
Antimony	ND	2.0	ug/L	SW846 6020	04/23-04/25/07	JVFWP1AF
		Dilution Factor: 1				
		Analysis Time..: 15:03		Analyst ID.....: 002260	Instrument ID..: I7	
Arsenic	ND	5.0	ug/L	SW846 6010B	04/23/07	JVFWP1AM
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Barium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVFWP1AR
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Beryllium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVFWP1AG
		Dilution Factor: 1				
		Analysis Time..: 15:03		Analyst ID.....: 002260	Instrument ID..: I7	
Cadmium	ND	0.50	ug/L	SW846 6020	04/23-04/25/07	JVFWP1AH
		Dilution Factor: 1				
		Analysis Time..: 15:03		Analyst ID.....: 002260	Instrument ID..: I7	
Calcium	**351 B**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVFWP1AT**
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Chromium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVFWP1AD
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Cobalt	ND	5.0	ug/L	SW846 6010B	04/23/07	JVFWP1AU
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Copper	**2.8 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVFWP1AV**
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Iron	ND	20.0	ug/L	SW846 6020	04/23-04/25/07	JVFWP1AJ
		Dilution Factor: 1				
		Analysis Time..: 15:03		Analyst ID.....: 002260	Instrument ID..: I7	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	04/23/07	JVFWP1AN
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Magnesium	ND	1000	ug/L	SW846 6010B	04/23/07	JVFWP1AW
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Manganese	**0.71 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVFWP1AX**
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Nickel	ND	10.0	ug/L	SW846 6010B	04/23/07	JVFWP1A0
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Potassium	**149 B**	**1000**	**ug/L**	**SW846 6010B**	**04/23/07**	**JVFWP1A1**
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Selenium	ND	5.0	ug/L	SW846 6010B	04/23/07	JVFWP1AP
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Silver	ND	5.0	ug/L	SW846 6010B	04/23/07	JVFWP1A2
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Sodium	ND	1000	ug/L	SW846 6010B	04/23/07	JVFWP1AA
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Thallium	ND	1.0	ug/L	SW846 6020	04/23-04/25/07	JVFWP1AK
		Dilution Factor: 1				
		Analysis Time..: 15:03		Analyst ID.....: 002260	Instrument ID..: I7	
Vanadium	ND	10.0	ug/L	SW846 6010B	04/23/07	JVFWP1AC
		Dilution Factor: 1				
		Analysis Time..: 18:46		Analyst ID.....: 001637	Instrument ID..: I5	
Zinc	**4.6 B**	**10.0**	**ug/L**	**SW846 6020**	**04/23-04/25/07**	**JVFWP1AL**
		Dilution Factor: 1				
		Analysis Time..: 15:03		Analyst ID.....: 002260	Instrument ID..: I7	
Mercury	ND	0.20	ug/L	SW846 7470A	04/23-04/24/07	JVFWP1AQ
		Dilution Factor: 1				
		Analysis Time..: 11:41		Analyst ID.....: 001086	Instrument ID..: H1	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7D230000-019 **Prep Batch #...:** 7113019					
Sodium	99	(80 - 120)	SW846 6010B	04/23/07	JVFWP1A3
		Dilution Factor: 1	Analysis Time..: 18:51	Analyst ID.....: 001637	
		Instrument ID..: I5			
Vanadium	96	(80 - 120)	SW846 6010B	04/23/07	JVFWP1A4
		Dilution Factor: 1	Analysis Time..: 18:51	Analyst ID.....: 001637	
		Instrument ID..: I5			
Chromium	99	(80 - 120)	SW846 6010B	04/23/07	JVFWP1A5
		Dilution Factor: 1	Analysis Time..: 18:51	Analyst ID.....: 001637	
		Instrument ID..: I5			
Aluminum	107	(70 - 118)	SW846 6020	04/23-04/25/07	JVFWP1A6
		Dilution Factor: 1	Analysis Time..: 15:06	Analyst ID.....: 002260	
		Instrument ID..: I7			
Antimony	99	(62 - 110)	SW846 6020	04/23-04/25/07	JVFWP1A7
		Dilution Factor: 1	Analysis Time..: 15:06	Analyst ID.....: 002260	
		Instrument ID..: I7			
Beryllium	113	(86 - 113)	SW846 6020	04/23-04/25/07	JVFWP1A8
		Dilution Factor: 1	Analysis Time..: 15:06	Analyst ID.....: 002260	
		Instrument ID..: I7			
Cadmium	108	(82 - 116)	SW846 6020	04/23-04/25/07	JVFWP1A9
		Dilution Factor: 1	Analysis Time..: 15:06	Analyst ID.....: 002260	
		Instrument ID..: I7			
Iron	105	(72 - 115)	SW846 6020	04/23-04/25/07	JVFWP1CA
		Dilution Factor: 1	Analysis Time..: 15:06	Analyst ID.....: 002260	
		Instrument ID..: I7			
Thallium	101	(69 - 114)	SW846 6020	04/23-04/25/07	JVFWP1CC
		Dilution Factor: 1	Analysis Time..: 15:06	Analyst ID.....: 002260	
		Instrument ID..: I7			
Zinc	110	(90 - 127)	SW846 6020	04/23-04/25/07	JVFWP1CD
		Dilution Factor: 1	Analysis Time..: 15:06	Analyst ID.....: 002260	
		Instrument ID..: I7			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	91	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CE
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Lead	92	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CF
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Selenium	99	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CG
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Barium	99	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CJ
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Calcium	95	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CK
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Cobalt	95	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CL
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Copper	98	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CM
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Magnesium	94	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CN
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Manganese	97	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CP
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Nickel	86	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CQ
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			
Potassium	95	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CR
		Dilution Factor: 1	Analysis Time..: 18:51		Analyst ID.....: 001637
		Instrument ID..: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	106	(80 - 120)	SW846 6010B	04/23/07	JVFWP1CT
		Dilution Factor: 1	Analysis Time..: 18:51	Analyst ID.....: 001637	
		Instrument ID..: I5			
Mercury	99	(82 - 131)	SW846 7470A	04/23-04/24/07	JVFWP1CH
		Dilution Factor: 1	Analysis Time..: 11:43	Analyst ID.....: 001086	
		Instrument ID..: H1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WG
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7D200101-010 **Prep Batch #...:** 7113019					
Aluminum	98	(70 - 130)	SW846 6020	04/23-04/25/07	JVAJ81AM
		Dilution Factor: 1	Analysis Time..: 15:22	Instrument ID..: I7	
		Analyst ID.....: 002260			
Antimony	96	(70 - 130)	SW846 6020	04/23-04/25/07	JVAJ81AQ
		Dilution Factor: 1	Analysis Time..: 15:22	Instrument ID..: I7	
		Analyst ID.....: 002260			
Arsenic	100	(75 - 125)	SW846 6010B	04/23/07	JVAJ81CC
		Dilution Factor: 1	Analysis Time..: 19:17	Instrument ID..: I5	
		Analyst ID.....: 001637			
Barium	110	(75 - 125)	SW846 6010B	04/23/07	JVAJ81CQ
		Dilution Factor: 1	Analysis Time..: 19:17	Instrument ID..: I5	
		Analyst ID.....: 001637			
Beryllium	106	(70 - 130)	SW846 6020	04/23-04/25/07	JVAJ81AU
		Dilution Factor: 1	Analysis Time..: 15:22	Instrument ID..: I7	
		Analyst ID.....: 002260			
Cadmium	108	(70 - 130)	SW846 6020	04/23-04/25/07	JVAJ81AX
		Dilution Factor: 1	Analysis Time..: 15:22	Instrument ID..: I7	
		Analyst ID.....: 002260			
Calcium	98	(75 - 125)	SW846 6010B	04/23/07	JVAJ81CU
		Dilution Factor: 1	Analysis Time..: 19:17	Instrument ID..: I5	
		Analyst ID.....: 001637			
Chromium	107	(75 - 125)	SW846 6010B	04/23/07	JVAJ81AJ
		Dilution Factor: 1	Analysis Time..: 19:17	Instrument ID..: I5	
		Analyst ID.....: 001637			
Cobalt	103	(75 - 125)	SW846 6010B	04/23/07	JVAJ81CX
		Dilution Factor: 1	Analysis Time..: 19:17	Instrument ID..: I5	
		Analyst ID.....: 001637			
Copper	106	(75 - 125)	SW846 6010B	04/23/07	JVAJ81C2
		Dilution Factor: 1	Analysis Time..: 19:17	Instrument ID..: I5	
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WG
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	95	(70 - 130)	SW846 6020	04/23-04/25/07	JVAJ81A2
		Dilution Factor: 1	Analysis Time..: 15:22		Instrument ID..: I7
		Analyst ID.....: 002260			
Lead	100	(75 - 125)	SW846 6010B	04/23/07	JVAJ81CF
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Magnesium	104	(75 - 125)	SW846 6010B	04/23/07	JVAJ81C5
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Manganese	106	(75 - 125)	SW846 6010B	04/23/07	JVAJ81C8
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Nickel	92	(75 - 125)	SW846 6010B	04/23/07	JVAJ81DC
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Potassium	107	(75 - 125)	SW846 6010B	04/23/07	JVAJ81DF
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Selenium	108	(75 - 125)	SW846 6010B	04/23/07	JVAJ81CJ
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Silver	117	(75 - 125)	SW846 6010B	04/23/07	JVAJ81DJ
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Sodium	109	(75 - 125)	SW846 6010B	04/23/07	JVAJ81AC
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			
Thallium	95	(70 - 130)	SW846 6020	04/23-04/25/07	JVAJ81A5
		Dilution Factor: 1	Analysis Time..: 15:22		Instrument ID..: I7
		Analyst ID.....: 002260			
Vanadium	105	(75 - 125)	SW846 6010B	04/23/07	JVAJ81AF
		Dilution Factor: 1	Analysis Time..: 19:17		Instrument ID..: I5
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WG
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	109	(70 - 130)	SW846 6020	04/23-04/25/07	JVAJ81A8
		Dilution Factor: 1	Analysis Time..: 15:22		Instrument ID..: I7
		Analyst ID.....: 002260			
Mercury	102	(68 - 149)	SW846 7470A	04/23-04/24/07	JVAJ81CM
		Dilution Factor: 1	Analysis Time..: 11:49		Instrument ID..: H1
		Analyst ID.....: 001086			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WG
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7D200101-014 **Prep Batch #...:** 7113019					
Aluminum	97	(70 - 130)	SW846 6020	04/23-04/25/07	JVAKD1AM
		Dilution Factor: 1	Analysis Time..: 15:57	Instrument ID..: I7	
		Analyst ID.....: 002260			
Antimony	88	(70 - 130)	SW846 6020	04/23-04/25/07	JVAKD1AQ
		Dilution Factor: 1	Analysis Time..: 15:57	Instrument ID..: I7	
		Analyst ID.....: 002260			
Arsenic	89	(75 - 125)	SW846 6010B	04/23/07	JVAKD1CC
		Dilution Factor: 1	Analysis Time..: 19:59	Instrument ID..: I5	
		Analyst ID.....: 001637			
Barium	97	(75 - 125)	SW846 6010B	04/23/07	JVAKD1CQ
		Dilution Factor: 1	Analysis Time..: 19:59	Instrument ID..: I5	
		Analyst ID.....: 001637			
Beryllium	101	(70 - 130)	SW846 6020	04/23-04/25/07	JVAKD1AU
		Dilution Factor: 1	Analysis Time..: 15:57	Instrument ID..: I7	
		Analyst ID.....: 002260			
Cadmium	99	(70 - 130)	SW846 6020	04/23-04/25/07	JVAKD1AX
		Dilution Factor: 1	Analysis Time..: 15:57	Instrument ID..: I7	
		Analyst ID.....: 002260			
Calcium	82	(75 - 125)	SW846 6010B	04/23/07	JVAKD1CU
		Dilution Factor: 1	Analysis Time..: 19:59	Instrument ID..: I5	
		Analyst ID.....: 001637			
Chromium	95	(75 - 125)	SW846 6010B	04/23/07	JVAKD1AJ
		Dilution Factor: 1	Analysis Time..: 19:59	Instrument ID..: I5	
		Analyst ID.....: 001637			
Cobalt	91	(75 - 125)	SW846 6010B	04/23/07	JVAKD1CX
		Dilution Factor: 1	Analysis Time..: 19:59	Instrument ID..: I5	
		Analyst ID.....: 001637			
Copper	94	(75 - 125)	SW846 6010B	04/23/07	JVAKD1C2
		Dilution Factor: 1	Analysis Time..: 19:59	Instrument ID..: I5	
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 **Matrix.....:** WG
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	79	(70 - 130)	SW846 6020	04/23-04/25/07	JVAKD1A2
		Dilution Factor: 1	Analysis Time..: 15:57		Instrument ID..: I7
		Analyst ID.....: 002260			
Lead	88	(75 - 125)	SW846 6010B	04/23/07	JVAKD1CF
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Magnesium	89	(75 - 125)	SW846 6010B	04/23/07	JVAKD1C5
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Manganese	92	(75 - 125)	SW846 6010B	04/23/07	JVAKD1C8
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Nickel	81	(75 - 125)	SW846 6010B	04/23/07	JVAKD1DC
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Potassium	94	(75 - 125)	SW846 6010B	04/23/07	JVAKD1DF
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Selenium	95	(75 - 125)	SW846 6010B	04/23/07	JVAKD1CJ
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Silver	102	(75 - 125)	SW846 6010B	04/23/07	JVAKD1DJ
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Sodium	94	(75 - 125)	SW846 6010B	04/23/07	JVAKD1AC
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			
Thallium	89	(70 - 130)	SW846 6020	04/23-04/25/07	JVAKD1A5
		Dilution Factor: 1	Analysis Time..: 15:57		Instrument ID..: I7
		Analyst ID.....: 002260			
Vanadium	92	(75 - 125)	SW846 6010B	04/23/07	JVAKD1AF
		Dilution Factor: 1	Analysis Time..: 19:59		Instrument ID..: I5
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D200101 Matrix.....: WG
Date Sampled...: 04/19/07 09:00 Date Received..: 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	92	(70 - 130)	SW846 6020	04/23-04/25/07	JVAKD1A8
		Dilution Factor: 1	Analysis Time..: 15:57		Instrument ID..: I7
		Analyst ID.....: 002260			
Mercury	108	(68 - 149)	SW846 7470A	04/23-04/24/07	JVAKD1CM
		Dilution Factor: 1	Analysis Time..: 11:58		Instrument ID..: H1
		Analyst ID.....: 001086			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: A7D200101 **Work Order #...:** JVAJ8-SMP JVAJ8-DUP **Matrix.....:** WG

Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Silver						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Aluminum						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:22	Analyst ID.....: 002260	
			Instrument ID..: I7					
Arsenic						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Barium						SD Lot-Sample #: A7D200101-010		
	30.4	29.8	ug/L	2.0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Beryllium						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:22	Analyst ID.....: 002260	
			Instrument ID..: I7					
Calcium						SD Lot-Sample #: A7D200101-010		
	82400 J	81000	ug/L	1.7	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Cadmium						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:22	Analyst ID.....: 002260	
			Instrument ID..: I7					
Cobalt						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Chromium						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					

(Continued on next page)

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D200101-000 **Work Order #...:** JVAJ8-SMP JVAJ8-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Copper						SD Lot-Sample #: A7D200101-010		
	2.8 B,J	2.9 B	ug/L	4.5	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Iron						SD Lot-Sample #: A7D200101-010		
	293	290	ug/L	0.96	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:22	Analyst ID.....: 002260	
			Instrument ID..: I7					
Potassium						SD Lot-Sample #: A7D200101-010		
	689 B,J	678 B	ug/L	1.7	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Magnesium						SD Lot-Sample #: A7D200101-010		
	47700	46700	ug/L	2.0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Manganese						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Sodium						SD Lot-Sample #: A7D200101-010		
	15800	15500	ug/L	1.6	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Nickel						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Lead						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Antimony						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:22	Analyst ID.....: 002260	
			Instrument ID..: I7					

(Continued on next page)

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D200101-000 **Work Order #...:** JVAJ8-SMP JVAJ8-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Selenium						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Thallium						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:22	Analyst ID.....: 002260	
			Instrument ID..: I7					
Vanadium						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:17	Analyst ID.....: 001637	
			Instrument ID..: I5					
Zinc						SD Lot-Sample #: A7D200101-010		
	6.0 B,J	5.0 B	ug/L	19	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:22	Analyst ID.....: 002260	
			Instrument ID..: I7					
Mercury						SD Lot-Sample #: A7D200101-010		
	ND	ND	ug/L	0	(0-20)	SW846 7470A	04/23-04/24/07	7113019
			Dilution Factor: 1			Analysis Time..: 11:49	Analyst ID.....: 001086	
			Instrument ID..: H1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: A7D200101 **Work Order #...:** JVAKD-SMP JVAKD-DUP **Matrix.....:** WG

Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Silver						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
		Dilution Factor: 1				Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5						
Aluminum						SD Lot-Sample #: A7D200101-014		
	419	354	ug/L	17	(0-20)	SW846 6020	04/23-04/25/07	7113019
		Dilution Factor: 1				Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7						
Arsenic						SD Lot-Sample #: A7D200101-014		
	15.4	16.3	ug/L	5.5	(0-20)	SW846 6010B	04/23/07	7113019
		Dilution Factor: 1				Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5						
Barium						SD Lot-Sample #: A7D200101-014		
	40.1	38.4	ug/L	4.4	(0-20)	SW846 6010B	04/23/07	7113019
		Dilution Factor: 1				Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5						
Beryllium						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
		Dilution Factor: 1				Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7						
Calcium						SD Lot-Sample #: A7D200101-014		
	88600 J	85500	ug/L	3.6	(0-20)	SW846 6010B	04/23/07	7113019
		Dilution Factor: 1				Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5						
Cadmium						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
		Dilution Factor: 1				Analysis Time..: 15:57	Analyst ID.....: 002260	
		Instrument ID..: I7						
Cobalt						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
		Dilution Factor: 1				Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5						
Chromium						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
		Dilution Factor: 1				Analysis Time..: 19:59	Analyst ID.....: 001637	
		Instrument ID..: I5						

(Continued on next page)

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D200101-000 **Work Order #...:** JVAKD-SMP JVAKD-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Copper						SD Lot-Sample #: A7D200101-014		
	4.5 B,J	3.9 B	ug/L	15	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Iron						SD Lot-Sample #: A7D200101-014		
	2050	1690	ug/L	19	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:57	Analyst ID.....: 002260	
			Instrument ID..: I7					
Potassium						SD Lot-Sample #: A7D200101-014		
	4760 J	4560	ug/L	4.3	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Magnesium						SD Lot-Sample #: A7D200101-014		
	40000	38400	ug/L	3.9	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Manganese						SD Lot-Sample #: A7D200101-014		
	190 J	182	ug/L	3.8	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Sodium						SD Lot-Sample #: A7D200101-014		
	22200	21200	ug/L	4.5	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Nickel						SD Lot-Sample #: A7D200101-014		
	2.5 B	2.2 B	ug/L	13	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Lead						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Antimony						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:57	Analyst ID.....: 002260	
			Instrument ID..: I7					

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SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D200101-000 **Work Order #...:** JVAKD-SMP JVAKD-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Selenium						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Thallium						SD Lot-Sample #: A7D200101-014		
	0.031 B	ND	ug/L	200	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:57	Analyst ID.....: 002260	
			Instrument ID..: I7					
Vanadium						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/23/07	7113019
			Dilution Factor: 1			Analysis Time..: 19:59	Analyst ID.....: 001637	
			Instrument ID..: I5					
Zinc						SD Lot-Sample #: A7D200101-014		
	12.4 J	10.3	ug/L	19	(0-20)	SW846 6020	04/23-04/25/07	7113019
			Dilution Factor: 1			Analysis Time..: 15:57	Analyst ID.....: 002260	
			Instrument ID..: I7					
Mercury						SD Lot-Sample #: A7D200101-014		
	ND	ND	ug/L	0	(0-20)	SW846 7470A	04/23-04/24/07	7113019
			Dilution Factor: 1			Analysis Time..: 11:58	Analyst ID.....: 001086	
			Instrument ID..: H1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

```
:       Instrument Upload                                    Run Log - Page  1 :
:       Started Thu Apr 26 08:02:45 2007 by DAVIESB                            :
:       Data File: UPL$CAN_DATA_ROOT:<REP>042507B.REP;1                        :
```

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	BLANK		25-APR-2007	10:44:28			I7
2	STANDARD 1		25-APR-2007	10:47:25			I7
3	STANDARD 2		25-APR-2007	10:50:24			I7
4	STANDARD 3		25-APR-2007	10:53:23			I7
5	QC STD 1 FCV		25-APR-2007	10:58:38			I7
6	QC STD 2 JCVB		25-APR-2007	11:03:52			I7
7	QC STD 3 CRL		25-APR-2007	11:06:14			I7
8	QC STD 4 ICSA		25-APR-2007	11:09:23			I7
9	QC STD 5 ICSAB		25-APR-2007	11:12:35			I7
10	QC STD 6 CCV1		25-APR-2007	11:18:40			I7
11	QC STD 7		25-APR-2007	11:23:53			I7
12	JT4J8B		25-APR-2007	11:26:15	7108017	A7D180000	I7
13	JT4J8C		25-APR-2007	11:29:08	7108017	A7D180000	I7
14	JT116		25-APR-2007	11:33:30	7108017	A7D170102	I7
15	JT118		25-APR-2007	11:36:24	7108017	A7D170102	I7
16	JT12A		25-APR-2007	11:39:17	7108017	A7D170102	I7
17	JT12D		25-APR-2007	11:42:11	7108017	A7D170102	I7
18	JT12F		25-APR-2007	11:45:05	7108017	A7D170102	I7
19	JT12J		25-APR-2007	11:48:00	7108017	A7D170102	I7
20	JT12JL		25-APR-2007	11:50:55			I7
21	JT12JX		25-APR-2007	11:53:50	7108017	A7D170102	I7
22	QC STD 6		25-APR-2007	11:59:04			I7
23	QC STD 7		25-APR-2007	12:04:17			I7
24	JT12JS		25-APR-2007	12:06:41	7108017	A7D170102	I7
25	JT12L		25-APR-2007	12:11:07	7108017	A7D170102	I7
26	JT12N		25-APR-2007	12:14:01	7108017	A7D170102	I7
27	JT5M8B		25-APR-2007	12:19:13	7108270	A7D180000	I7
28	JT5M8C		25-APR-2007	12:22:06	7108270	A7D180000	I7
29	JT4MP		25-APR-2007	12:26:30	7108270	A7D180106	I7
30	JT4MR		25-APR-2007	12:29:24	7108270	A7D180106	I7
31	JT4MV		25-APR-2007	12:32:19	7108270	A7D180106	I7
32	JT4MX		25-APR-2007	12:35:13	7108270	A7D180106	I7
33	JT4M1		25-APR-2007	12:38:08	7108270	A7D180106	I7
34	QC STD 6		25-APR-2007	12:43:23			I7
35	QC STD 7		25-APR-2007	12:48:36			I7
36	JT4M1L		25-APR-2007	12:51:00			I7
37	JT4M1X		25-APR-2007	12:53:55	7108270	A7D180106	I7
38	JT4M1S		25-APR-2007	12:56:52	7108270	A7D180106	I7
39	JT4M3		25-APR-2007	13:01:18	7108270	A7D180106	I7
40	JT4M5		25-APR-2007	13:04:13	7108270	A7D180106	I7
41	JT4M6		25-APR-2007	13:07:06	7108270	A7D180106	I7
42	JT4M8		25-APR-2007	13:10:00	7108270	A7D180106	I7
43	JT4ND		25-APR-2007	13:12:54	7108270	A7D180106	I7
44	JT4NF		25-APR-2007	13:15:48	7108270	A7D180106	I7

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	JT4NH		25-APR-2007	13:18:43	7108270	A7D180106	I7
46	QC STD 6		25-APR-2007	13:23:57			I7
47	QC STD 7		25-APR-2007	13:29:10			I7
48	JT4NL		25-APR-2007	13:31:34	7108270	A7D180106	I7
49	JT4NV		25-APR-2007	13:34:29	7108270	A7D180106	I7
50	JVAJGB		25-APR-2007	13:39:45	7110032	A7D200000	I7
51	JVAJGC		25-APR-2007	13:42:41	7110032	A7D200000	I7
52	JT7KC		25-APR-2007	13:47:07	7110032	A7D190102	I7
53	JT7KG		25-APR-2007	13:50:04	7110032	A7D190102	I7
54	JT7KK		25-APR-2007	13:52:59	7110032	A7D190102	I7
55	JT7KN		25-APR-2007	13:55:53	7110032	A7D190102	I7
56	JT7KT		25-APR-2007	13:58:47	7110032	A7D190102	I7
57	JT7KX		25-APR-2007	14:01:41	7110032	A7D190102	I7
58	QC STD 6		25-APR-2007	14:06:56			I7
59	QC STD 7		25-APR-2007	14:12:09			I7
60	JT7K3		25-APR-2007	14:14:33	7110032	A7D190102	I7
61	JT7K5		25-APR-2007	14:17:28	7110032	A7D190102	I7
62	JT7LA		25-APR-2007	14:20:23	7110032	A7D190102	I7
63	JT7LG		25-APR-2007	14:23:19	7110032	A7D190102	I7
64	JT7LGL		25-APR-2007	14:26:15			I7
65	JT7LGX		25-APR-2007	14:29:12	7110032	A7D190102	I7
66	JT7LGS		25-APR-2007	14:32:08	7110032	A7D190102	I7
67	JT7LN		25-APR-2007	14:36:36	7110032	A7D190102	I7
68	JT7LQ		25-APR-2007	14:39:31	7110032	A7D190102	I7
69	JT7L2		25-APR-2007	14:42:25	7110032	A7D190102	I7
70	QC STD 6 CCV2		25-APR-2007	14:47:39			I7
71	QC STD 7		25-APR-2007	14:52:52			I7
72	JT7L4		25-APR-2007	14:55:15	7110032	A7D190102	I7
73	JT7L6		25-APR-2007	14:58:10	7110032	A7D190102	I7
74	JVFWPB		25-APR-2007	15:03:25	7113019	A7D230000	I7
75	JVFWPC		25-APR-2007	15:06:20	7113019	A7D230000	I7
76	JVAJ0		25-APR-2007	15:10:46	7113019	A7D200101	I7
77	JVAJ2		25-APR-2007	15:13:42	7113019	A7D200101	I7
78	JVAJ4		25-APR-2007	15:16:38	7113019	A7D200101	I7
79	JVAJ6		25-APR-2007	15:19:34	7113019	A7D200101	I7
80	JVAJ8		25-APR-2007	15:22:32	7113019	A7D200101	I7
81	JVAJ8L		25-APR-2007	15:25:29			I7
82	QC STD 6 CCV3		25-APR-2007	15:30:45			I7
83	QC STD 7		25-APR-2007	15:35:58			I7
84	JVAJGC		25-APR-2007	15:43:11	7110032	A7D200000	I7
85	JVAJ8X		25-APR-2007	15:47:36	7113019	A7D200101	I7
86	JVAJ8S		25-APR-2007	15:50:30	7113019	A7D200101	I7
87	JVAKA		25-APR-2007	15:54:55	7113019	A7D200101	I7
88	JVAKD		25-APR-2007	15:57:51	7113019	A7D200101	I7

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	JVAKDL		25-APR-2007	16:00:46			I7
90	JVAKDX		25-APR-2007	16:03:42	7113019	A7D200101	I7
91	JVAKDS		25-APR-2007	16:06:38	7113019	A7D200101	I7
92	JVAKH		25-APR-2007	16:11:05	7113019	A7D200101	I7
93	JVAKK		25-APR-2007	16:14:02	7113019	A7D200101	I7
94	QC STD 6 CCV4		25-APR-2007	16:19:17			I7
95	QC STD 7		25-APR-2007	16:24:30			I7
96	JVAKM		25-APR-2007	16:26:55	7113019	A7D200101	I7
97	JVAKQ		25-APR-2007	16:29:53	7113019	A7D200101	I7
98	JVAKR		25-APR-2007	16:32:51	7113019	A7D200101	I7
99	JVAK1		25-APR-2007	16:35:47	7113019	A7D200101	I7
100	JVKLCB		25-APR-2007	16:41:02	7115029	A7D250000	I7
101	JVKLCC		25-APR-2007	16:43:58	7115029	A7D250000	I7
102	JVHWD		25-APR-2007	16:48:23	7115029	A7D240145	I7
103	JVHWDS		25-APR-2007	16:51:19	7115029	A7D240145	I7
104	JVHWDD		25-APR-2007	16:54:15	7115029	A7D240145	I7
105	JVHT2		25-APR-2007	16:58:42	7115029	A7D240138	I7
106	QC STD 6 CCV5		25-APR-2007	17:03:57			I7
107	QC STD 7		25-APR-2007	17:09:10			I7
108	JVHT6		25-APR-2007	17:11:35	7115029	A7D240138	I7
109	JVHT7		25-APR-2007	17:14:32	7115029	A7D240138	I7
110	JVHT8		25-APR-2007	17:17:30	7115029	A7D240138	I7
111	JVHT9		25-APR-2007	17:20:28	7115029	A7D240138	I7
112	JVHVC		25-APR-2007	17:23:27	7115029	A7D240138	I7
113	JVHVD		25-APR-2007	17:26:23	7115029	A7D240138	I7
114	JVHVDL		25-APR-2007	17:29:19			I7
115	JT12L	5	25-APR-2007	17:32:14	7108017	A7D170102	I7
116	QC STD 6 CCV6		25-APR-2007	17:37:29			I7
117	QC STD 7		25-APR-2007	17:42:42			I7
118	QC STD 3		25-APR-2007	19:34:52			I7
119	QC STD 4		25-APR-2007	19:38:17			I7
120	QC STD 5		25-APR-2007	19:41:28			I7
121	QC STD 6 CCV7		25-APR-2007	19:48:53			I7
122	QC STD 7		25-APR-2007	19:54:06			I7
123	JVHF9B		25-APR-2007	20:11:58	7114018	A7D240000	I7
124	JVHF9C		25-APR-2007	20:14:51	7114018	A7D240000	I7
125	JVAK7		25-APR-2007	20:19:14	7114018	A7D200102	I7
126	JVAK7S		25-APR-2007	20:22:07	7114018	A7D200102	I7
127	JVAK7D		25-APR-2007	20:25:00	7114018	A7D200102	I7
128	JVALAF		25-APR-2007	20:29:24	7114018	A7D200102	I7
129	JVALAFS		25-APR-2007	20:32:18	7114018	A7D200102	I7
130	JVALAFD		25-APR-2007	20:35:12	7114018	A7D200102	I7
131	JVALC		25-APR-2007	20:39:37	7114018	A7D200102	I7
132	JVALDF		25-APR-2007	20:44:02	7114018	A7D200102	I7

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3	CAL2	1	23-APR-2007	10:23:00			I5
4	CAL3	1	23-APR-2007	10:29:00			I5
5	SCAL	1	23-APR-2007	10:34:00			I5
6	CAL	1	23-APR-2007	10:39:00			I5
7	ICV	1	23-APR-2007	10:45:00			I5
8	ICB	1	23-APR-2007	10:54:00			I5
9	CRI	MRL	23-APR-2007	10:59:00			I5
10	STD1	1	23-APR-2007	11:09:00			I5
11	CAL1	1	23-APR-2007	11:14:00			I5
12	CAL2	1	23-APR-2007	11:20:00			I5
13	CAL3	1	23-APR-2007	11:26:00			I5
14	SCAL	1	23-APR-2007	11:32:00			I5
15	CAL	1	23-APR-2007	11:36:00			I5
16	ICV	1	23-APR-2007	11:43:00			I5
17	ICB	1	23-APR-2007	11:51:00			I5
18	CRI	MRL	23-APR-2007	11:56:00			I5
19	ICSA	1	23-APR-2007	12:02:00			I5
20	AL	1	23-APR-2007	12:15:00			I5
21	FE	1	23-APR-2007	12:19:00			I5
22	ICSA	1	23-APR-2007	12:27:00			I5
23	ICSAB	1	23-APR-2007	12:32:00			I5
24	CCV	1	23-APR-2007	12:41:00			I5
25	CCB	1	23-APR-2007	12:49:00			I5
26	JTLEGA	1	23-APR-2007	12:54:00	7102027	A7D100107	I5
27	JT4J8B	1	23-APR-2007	12:59:00	7108017	A7D180000	I5
28	JT4J8C	1	23-APR-2007	13:04:00	7108017	A7D180000	I5
29	JT116	1	23-APR-2007	13:10:00	7108017	A7D170102	I5
30	JT118	1	23-APR-2007	13:15:00	7108017	A7D170102	I5
31	JT12A	1	23-APR-2007	13:20:00	7108017	A7D170102	I5
32	JT12D	1	23-APR-2007	13:25:00	7108017	A7D170102	I5
33	JT12F	1	23-APR-2007	13:30:00	7108017	A7D170102	I5
34	JT12J	1	23-APR-2007	13:35:00	7108017	A7D170102	I5
35	JT12JL	1	23-APR-2007	13:40:00			I5
36	CCV	1	23-APR-2007	13:48:00			I5
37	CCB	1	23-APR-2007	13:56:00			I5
38	JT12JX	1	23-APR-2007	14:01:00	7108017	A7D170102	I5
39	JT12JS	1	23-APR-2007	14:06:00	7108017	A7D170102	I5
40	JT12L	1	23-APR-2007	14:12:00	7108017	A7D170102	I5
41	JT12N	1	23-APR-2007	14:17:00	7108017	A7D170102	I5
42	JT5M8B	1	23-APR-2007	14:23:00	7108270	A7D180000	I5
43	JT5M8C	1	23-APR-2007	14:28:00	7108270	A7D180000	I5
44	JT4MP	1	23-APR-2007	14:33:00	7108270	A7D180106	I5

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49	CCB	1	23-APR-2007	15:05:00			I5
50	JT4M1	1	23-APR-2007	15:09:00	7108270	A7D180106	I5
51	JT4M1L	1	23-APR-2007	15:14:00			I5
52	JT4M1X	1	23-APR-2007	15:19:00	7108270	A7D180106	I5
53	JT4M1S	1	23-APR-2007	15:24:00	7108270	A7D180106	I5
54	JT4M3	1	23-APR-2007	15:30:00	7108270	A7D180106	I5
55	JT4M5	1	23-APR-2007	15:35:00	7108270	A7D180106	I5
56	JT4M6	1	23-APR-2007	15:40:00	7108270	A7D180106	I5
57	JT4M8	1	23-APR-2007	15:45:00	7108270	A7D180106	I5
58	JT4ND	1	23-APR-2007	15:50:00	7108270	A7D180106	I5
59	JT4NF	1	23-APR-2007	15:55:00	7108270	A7D180106	I5
60	CCV	1	23-APR-2007	16:03:00			I5
61	CCB	1	23-APR-2007	16:11:00			I5
62	JT4NH	1	23-APR-2007	16:16:00	7108270	A7D180106	I5
63	JT4NL	1	23-APR-2007	16:21:00	7108270	A7D180106	I5
64	JT4NV	1	23-APR-2007	16:26:00	7108270	A7D180106	I5
65	JVAJGB	1	23-APR-2007	16:32:00	7110032	A7D200000	I5
66	JVAJGC	1	23-APR-2007	16:37:00	7110032	A7D200000	I5
67	JT7KC	1	23-APR-2007	16:43:00	7110032	A7D190102	I5
68	JT7KG	1	23-APR-2007	16:48:00	7110032	A7D190102	I5
69	JT7KK	1	23-APR-2007	16:52:00	7110032	A7D190102	I5
70	JT7KN	1	23-APR-2007	16:57:00	7110032	A7D190102	I5
71	JT7KT	1	23-APR-2007	17:02:00	7110032	A7D190102	I5
72	CCV	1	23-APR-2007	17:11:00			I5
73	CCB	1	23-APR-2007	17:19:00			I5
74	JT7KX	1	23-APR-2007	17:24:00	7110032	A7D190102	I5
75	JT7K3	1	23-APR-2007	17:29:00	7110032	A7D190102	I5
76	JT7K5	1	23-APR-2007	17:34:00	7110032	A7D190102	I5
77	JT7LA	1	23-APR-2007	17:39:00	7110032	A7D190102	I5
78	JT7LG	1	23-APR-2007	17:44:00	7110032	A7D190102	I5
79	JT7LGL	1	23-APR-2007	17:48:00			I5
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83	JT7LQ	1	23-APR-2007	18:09:00	7110032	A7D190102	I5
84	CCV	1	23-APR-2007	18:17:00			I5
85	CCB	1	23-APR-2007	18:26:00			I5
86	JT7L2	1	23-APR-2007	18:30:00	7110032	A7D190102	I5
87	JT7L4	1	23-APR-2007	18:35:00	7110032	A7D190102	I5
88	JT7L6	1	23-APR-2007	18:40:00	7110032	A7D190102	I5

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91	JVAJ0	1	23-APR-2007	18:57:00	7113019	A7D200101	I5
92	JVAJ2	1	23-APR-2007	19:02:00	7113019	A7D200101	I5
93	JVAJ4	1	23-APR-2007	19:07:00	7113019	A7D200101	I5
94	JVAJ6	1	23-APR-2007	19:12:00	7113019	A7D200101	I5
95	JVAJ8	1	23-APR-2007	19:17:00	7113019	A7D200101	I5
96	CCV	1	23-APR-2007	19:25:00			I5
97	CCB	1	23-APR-2007	19:33:00			I5
98	JVAJ8L	1	23-APR-2007	19:38:00			I5
99	JVAJ8X	1	23-APR-2007	19:43:00	7113019	A7D200101	I5
100	JVAJ8S	1	23-APR-2007	19:48:00	7113019	A7D200101	I5
101	JVAKA	1	23-APR-2007	19:54:00	7113019	A7D200101	I5
102	JVAKD	1	23-APR-2007	19:59:00	7113019	A7D200101	I5
103	JVAKDL	1	23-APR-2007	20:04:00			I5
104	JVAKDX	1	23-APR-2007	20:09:00	7113019	A7D200101	I5
105	JVAKDS	1	23-APR-2007	20:14:00	7113019	A7D200101	I5
106	JVAKH	1	23-APR-2007	20:19:00	7113019	A7D200101	I5
107	JVAKK	1	23-APR-2007	20:24:00	7113019	A7D200101	I5
108	CCV	1	23-APR-2007	20:33:00			I5
109	CCB	1	23-APR-2007	20:41:00			I5
110	JVAKM	1	23-APR-2007	20:46:00	7113019	A7D200101	I5
111	JVAKQ	1	23-APR-2007	20:51:00	7113019	A7D200101	I5
112	JVAKR	1	23-APR-2007	20:56:00	7113019	A7D200101	I5
113	JVAK1	1	23-APR-2007	21:01:00	7113019	A7D200101	I5
114	CRI	MRL	23-APR-2007	21:09:00			I5
115	CCV	1	23-APR-2007	21:15:00			I5
116	CCB	1	23-APR-2007	21:24:00			I5
117	CCV	1	23-APR-2007	22:14:00			I5
118	CCB	1	23-APR-2007	22:22:00			I5
119	JVFWKB	1	23-APR-2007	22:27:00	7113017	A7D230000	I5
120	JVFWKC	1	23-APR-2007	22:32:00	7113017	A7D230000	I5
121	JVE39	1	23-APR-2007	22:39:00	7113017	A7D210141	I5
122	JVE4X	1	23-APR-2007	22:43:00	7113017	A7D210141	I5
123	JVC23	1	23-APR-2007	22:48:00	7113017	A7D200252	I5
124	JVC4K	1	23-APR-2007	22:53:00	7113017	A7D200282	I5
125	JVEXJ	1	23-APR-2007	22:58:00	7113017	7D19248	I5
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127	JVEXP	1	23-APR-2007	23:08:00	7113017	7D19248	I5
128	JVEXR	1	23-APR-2007	23:13:00	7113017	7D19248	I5
129	CCV	1	23-APR-2007	23:21:00			I5
130	CCB	1	23-APR-2007	23:30:00			I5
131	JVEXT	1	23-APR-2007	23:34:00	7113017	7D19248	I5
132	JVEXX	1	23-APR-2007	23:39:00	7113017	7D19248	I5

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3	STD3REP1	1	24-APR-2007	09:55:01			H1
4	STD4REP1	1	24-APR-2007	09:56:07			H1
5	STD5REP1	1	24-APR-2007	09:57:23			H1
6	STD6REP1	1	24-APR-2007	09:58:35			H1
7	CK5ICV	1	24-APR-2007	09:59:47			H1
8	CK4ICB	1	24-APR-2007	10:00:54			H1
9	CK3CRA\MRL	1	24-APR-2007	10:02:11			H1
10	CK2CCV	1	24-APR-2007	10:03:20			H1
11	CK1CCB	1	24-APR-2007	10:04:31			H1
12	JT7XGBT	1	24-APR-2007	10:05:59			H1
13	JVAXNBT	1	24-APR-2007	10:07:04			H1
14	JVAXNCT	1	24-APR-2007	10:08:29			H1
15	JT6DAT	1	24-APR-2007	10:09:35			H1
16	JT6DATS	1	24-APR-2007	10:10:43			H1
17	JT6DATD	1	24-APR-2007	10:11:51			H1
18	JVCLJBT	1	24-APR-2007	10:13:01			H1
19	JVFWRBT	1	24-APR-2007	10:14:08			H1
20	JVFWRCT	1	24-APR-2007	10:15:13			H1
21	JVFWRLT	1	24-APR-2007	10:17:02			H1
22	CK2CCV	1	24-APR-2007	10:18:48			H1
23	CK1CCB	1	24-APR-2007	10:20:03			H1
24	JT898T	1	24-APR-2007	10:21:08			H1
25	CK2CCV	1	24-APR-2007	10:22:18			H1
26	CK1CCB	1	24-APR-2007	10:23:54			H1
27	CK2CCV	1	24-APR-2007	10:25:31			H1
28	CK1CCB	1	24-APR-2007	10:26:35			H1
29	JVFWKB	1	24-APR-2007	10:27:50	7113017	A7D230000	H1
30	JVFWKC	1	24-APR-2007	10:29:00	7113017	A7D230000	H1
31	JVE39	1	24-APR-2007	10:30:09	7113017	A7D210141	H1
32	JVE4X	1	24-APR-2007	10:31:27	7113017	A7D210141	H1
33	JVC23	1	24-APR-2007	10:32:46	7113017	A7D200252	H1
34	JVC4K	1	24-APR-2007	10:34:02	7113017	A7D200282	H1
35	JVEX0	1	24-APR-2007	10:35:27	7113017	7D19248	H1
36	JVEX1	1	24-APR-2007	10:36:46	7113017	7D19248	H1
37	JVEX2	1	24-APR-2007	10:37:54	7113017	7D19248	H1
38	JVEX2S	1	24-APR-2007	10:39:00	7113017	7D19248	H1
39	CK2CCV	1	24-APR-2007	10:40:05			H1
40	CK1CCB	1	24-APR-2007	10:41:40			H1
41	JVEX2D	1	24-APR-2007	10:43:00	7113017	7D19248	H1
42	JVEX5	1	24-APR-2007	10:44:09	7113017	7D19248	H1
43	JVEXJ	1	24-APR-2007	10:45:36	7113017	7D19248	H1
44	JVEXN	1	24-APR-2007	10:46:55	7113017	7D19248	H1

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46	JVEXR	1	24-APR-2007	10:49:30	7113017	7D19248	H1
47	JVEXT	1	24-APR-2007	10:50:55	7113017	7D19248	H1
48	JVEXX	1	24-APR-2007	10:52:30	7113017	7D19248	H1
49	JVDP0	1	24-APR-2007	10:53:37	7113017	7D19248	H1
50	JVDP2	1	24-APR-2007	10:54:43	7113017	7D19248	H1
51	CK2CCV	1	24-APR-2007	10:55:59			H1
52	CK1CCB	1	24-APR-2007	10:57:14			H1
53	JVDP5	1	24-APR-2007	10:58:22	7113017	7D19248	H1
54	JVDP6	1	24-APR-2007	10:59:29	7113017	7D19248	H1
55	JVDPE	1	24-APR-2007	11:00:44	7113017	7D19248	H1
56	JVFWFB	1	24-APR-2007	11:01:51	7113015	A7D230000	H1
57	JVFWFC	1	24-APR-2007	11:02:55	7113015	A7D230000	H1
58	JVA4V	1	24-APR-2007	11:04:12	7113015	A7D200138	H1
59	JVA4VS	1	24-APR-2007	11:05:58	7113015	A7D200138	H1
60	JVA4VD	1	24-APR-2007	11:07:07	7113015	A7D200138	H1
61	JVEMW	1	24-APR-2007	11:08:17	7113015	A7D210102	H1
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68	JVFWHC	1	24-APR-2007	11:16:59	7113016	A7D230000	H1
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70	JVC04	1	24-APR-2007	11:19:14	7113016	A7D200254	H1
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72	JVC0C	1	24-APR-2007	11:21:39	7113016	A7D200254	H1
73	JVC0L	1	24-APR-2007	11:22:46	7113016	A7D200254	H1
74	JVC0LS	1	24-APR-2007	11:23:57	7113016	A7D200254	H1
75	CK2CCV	1	24-APR-2007	11:25:03			H1
76	CK1CCB	1	24-APR-2007	11:26:11			H1
77	JVC0LD	1	24-APR-2007	11:27:21	7113016	A7D200254	H1
78	JVC0V	1	24-APR-2007	11:28:27	7113016	A7D200254	H1
79	JVC0X	1	24-APR-2007	11:29:33	7113016	A7D200254	H1
80	JVC1E	1	24-APR-2007	11:30:40	7113016	A7D200254	H1
81	JVC1G	1	24-APR-2007	11:31:50	7113016	A7D200254	H1
82	JVCXE	1	24-APR-2007	11:32:58	7113016	A7D200254	H1
83	JVCXES	1	24-APR-2007	11:34:15	7113016	A7D200254	H1
84	JVCXED	1	24-APR-2007	11:35:34	7113016	A7D200254	H1
85	JVC5D	1	24-APR-2007	11:36:53	7113016	A7D200288	H1
86	JVC9T	1	24-APR-2007	11:38:10	7113016	7D20306	H1
87	CK2CCV	1	24-APR-2007	11:39:26			H1
88	CK1CCB	1	24-APR-2007	11:40:31			H1

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	JVFWPB	1	24-APR-2007	11:41:38	7113019	A7D230000	H1
90	JVFWPC	1	24-APR-2007	11:43:05	7113019	A7D230000	H1
91	JVAJ0	1	24-APR-2007	11:44:14	7113019	A7D200101	H1
92	JVAJ2	1	24-APR-2007	11:45:55	7113019	A7D200101	H1
93	JVAJ4	1	24-APR-2007	11:47:06	7113019	A7D200101	H1
94	JVAJ6	1	24-APR-2007	11:48:30	7113019	A7D200101	H1
95	JVAJ8	1	24-APR-2007	11:49:38	7113019	A7D200101	H1
96	JVAJ8X	1	24-APR-2007	11:50:56	7113019	A7D200101	H1
97	JVAJ8S	1	24-APR-2007	11:52:02	7113019	A7D200101	H1
98	JVAK1	1	24-APR-2007	11:53:20	7113019	A7D200101	H1
99	CK2CCV	1	24-APR-2007	11:54:38			H1
100	CK1CCB	1	24-APR-2007	11:55:53			H1
101	JVAKA	1	24-APR-2007	11:56:58	7113019	A7D200101	H1
102	JVAKD	1	24-APR-2007	11:58:14	7113019	A7D200101	H1
103	JVAKDX	1	24-APR-2007	11:59:38	7113019	A7D200101	H1
104	JVAKDS	1	24-APR-2007	12:00:53	7113019	A7D200101	H1
105	JVAKH	1	24-APR-2007	12:01:59	7113019	A7D200101	H1
106	JVAKK	1	24-APR-2007	12:03:07	7113019	A7D200101	H1
107	JVAKM	1	24-APR-2007	12:04:14	7113019	A7D200101	H1
108	JVAKQ	1	24-APR-2007	12:05:22	7113019	A7D200101	H1
109	JVAKR	1	24-APR-2007	12:06:30	7113019	A7D200101	H1
110	CK2CCV	1	24-APR-2007	12:07:47			H1
111	CK1CCB	1	24-APR-2007	12:08:54			H1
112	CK2CCV	1	24-APR-2007	13:04:18			H1
113	CK1CCB	1	24-APR-2007	13:05:27			H1
114	JVHGCB	1	24-APR-2007	13:06:42	7114019	A7D240000	H1
115	JVHGCC	1	24-APR-2007	13:07:49	7114019	A7D240000	H1
116	JVAL2	1	24-APR-2007	13:08:58	7114019	A7D200103	H1
117	JVAL3F	1	24-APR-2007	13:10:44	7114019	A7D200103	H1
118	JVAL4	1	24-APR-2007	13:11:50	7114019	A7D200103	H1
119	JVAL5F	1	24-APR-2007	13:12:55	7114019	A7D200103	H1
120	JVAL6	1	24-APR-2007	13:14:15	7114019	A7D200103	H1
121	JVAL7F	1	24-APR-2007	13:15:22	7114019	A7D200103	H1
122	JVAL8	1	24-APR-2007	13:16:33	7114019	A7D200103	H1
123	JVAL9F	1	24-APR-2007	13:17:48	7114019	A7D200103	H1
124	CK2CCV	1	24-APR-2007	13:19:16			H1
125	CK1CCB	1	24-APR-2007	13:20:22			H1
126	JVAMA	1	24-APR-2007	13:21:37	7114019	A7D200103	H1
127	JVAMCF	1	24-APR-2007	13:22:53	7114019	A7D200103	H1
128	JVAMD	1	24-APR-2007	13:24:00	7114019	A7D200103	H1
129	JVAMEF	1	24-APR-2007	13:25:06	7114019	A7D200103	H1
130	JVAMF	1	24-APR-2007	13:26:12	7114019	A7D200103	H1
131	JVAMGF	1	24-APR-2007	13:27:27	7114019	A7D200103	H1
132	JVAMH	1	24-APR-2007	13:28:34	7114019	A7D200103	H1

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	JVAMHS	1	24-APR-2007	13:29:51	7114019	A7D200103	H1
134	JVAMHD	1	24-APR-2007	13:30:58	7114019	A7D200103	H1
135	JVAMJF	1	24-APR-2007	13:32:19	7114019	A7D200103	H1
136	CK2CCV	1	24-APR-2007	13:33:46			H1
137	CK1CCB	1	24-APR-2007	13:34:51			H1
138	JVAMJFS	1	24-APR-2007	13:35:57	7114019	A7D200103	H1
139	JVAMJFD	1	24-APR-2007	13:37:14	7114019	A7D200103	H1
140	JVAML	1	24-APR-2007	13:38:19	7114019	A7D200103	H1
141	JVAMMF	1	24-APR-2007	13:39:26	7114019	A7D200103	H1
142	CK2CCV	1	24-APR-2007	13:40:38			H1
143	CK1CCB	1	24-APR-2007	13:41:45			H1
144	JVHF7B	1	24-APR-2007	13:42:54	7114017	A7D240000	H1
145	JVHF7C	1	24-APR-2007	13:44:02	7114017	A7D240000	H1
146	JVCXA	1	24-APR-2007	13:45:22	7114017	7D19125	H1
147	JVCXG	1	24-APR-2007	13:46:29	7114017	7D19125	H1
148	JT8T4	1	24-APR-2007	13:47:39	7114017	A7D190237	H1
149	JVE13	1	24-APR-2007	13:48:44	7114017	7D19125	H1
150	JVE2A	1	24-APR-2007	13:50:00	7114017	7D19125	H1
151	JVE2AS	1	24-APR-2007	13:51:09	7114017	7D19125	H1
152	JVE2AD	1	24-APR-2007	13:52:14	7114017	7D19125	H1
153	JVE2J	1	24-APR-2007	13:53:25	7114017	7D19125	H1
154	CK2CCV	1	24-APR-2007	13:54:30			H1
155	CK1CCB	1	24-APR-2007	13:55:36			H1
156	JVE2K	1	24-APR-2007	13:56:41	7114017	7D19125	H1
157	JVE2L	1	24-APR-2007	13:57:50	7114017	7D19125	H1
158	JVC31	1	24-APR-2007	13:59:05	7114017	A7D200284	H1
159	JVC32	1	24-APR-2007	14:00:32	7114017	A7D200284	H1
160	JVC33	1	24-APR-2007	14:01:37	7114017	A7D200284	H1
161	JVC35	1	24-APR-2007	14:02:43	7114017	A7D200284	H1
162	JVC3L	1	24-APR-2007	14:03:47	7114017	A7D200284	H1
163	JVC3W	1	24-APR-2007	14:04:54	7114017	A7D200284	H1
164	JVC3X	1	24-APR-2007	14:06:00	7114017	A7D200284	H1
165	JVHF9B	1	24-APR-2007	14:07:38	7114018	A7D240000	H1
166	CK2CCV	1	24-APR-2007	14:08:43			H1
167	CK1CCB	1	24-APR-2007	14:10:01			H1
168	JVHF9C	1	24-APR-2007	14:11:06	7114018	A7D240000	H1
169	JVAK7	1	24-APR-2007	14:12:17	7114018	A7D200102	H1
170	JVAK7S	1	24-APR-2007	14:13:33	7114018	A7D200102	H1
171	JVAK7D	1	24-APR-2007	14:14:49	7114018	A7D200102	H1
172	JVALAF	1	24-APR-2007	14:15:58	7114018	A7D200102	H1
173	JVALAFS	1	24-APR-2007	14:17:03	7114018	A7D200102	H1
174	JVALAFD	1	24-APR-2007	14:18:09	7114018	A7D200102	H1
175	JVALC	1	24-APR-2007	14:19:27	7114018	A7D200102	H1
176	JVALDF	1	24-APR-2007	14:20:47	7114018	A7D200102	H1

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
177	JVALE	1	24-APR-2007	14:21:56	7114018	A7D200102	H1
178	CK2CCV	1	24-APR-2007	14:23:26			H1
179	CK1CCB	1	24-APR-2007	14:24:34			H1
180	JVALFF	1	24-APR-2007	14:25:45	7114018	A7D200102	H1
181	JVALG	1	24-APR-2007	14:26:51	7114018	A7D200102	H1
182	JVALHF	1	24-APR-2007	14:28:12	7114018	A7D200102	H1
183	JVALJ	1	24-APR-2007	14:29:28	7114018	A7D200102	H1
184	JVALKF	1	24-APR-2007	14:30:43	7114018	A7D200102	H1
185	JVALL	1	24-APR-2007	14:32:08	7114018	A7D200102	H1
186	JVALMF	1	24-APR-2007	14:33:13	7114018	A7D200102	H1
187	JVALN	1	24-APR-2007	14:34:20	7114018	A7D200102	H1
188	JVALPF	1	24-APR-2007	14:35:27	7114018	A7D200102	H1
189	JVALQ	1	24-APR-2007	14:36:34	7114018	A7D200102	H1
190	CK2CCV	1	24-APR-2007	14:37:39			H1
191	CK1CCB	1	24-APR-2007	14:38:48			H1
192	JVALRF	1	24-APR-2007	14:40:09	7114018	A7D200102	H1
193	JVALT	1	24-APR-2007	14:41:19	7114018	A7D200102	H1
194	JVALVF	1	24-APR-2007	14:42:45	7114018	A7D200102	H1
195	JVHF5B	1	24-APR-2007	14:43:54	7114016	A7D240000	H1
196	JVHF5C	1	24-APR-2007	14:45:03	7114016	A7D240000	H1
197	JVAM0	1	24-APR-2007	14:46:18	7114016	A7D200104	H1
198	JVAM1F	1	24-APR-2007	14:47:23	7114016	A7D200104	H1
199	JVAM2	1	24-APR-2007	14:48:28	7114016	A7D200104	H1
200	JVAM3F	1	24-APR-2007	14:49:48	7114016	A7D200104	H1
201	JVAM4	1	24-APR-2007	14:50:53	7114016	A7D200104	H1
202	CK2CCV	1	24-APR-2007	14:51:59			H1
203	CK1CCB	1	24-APR-2007	14:53:06			H1
204	JVAM5F	1	24-APR-2007	14:54:12	7114016	A7D200104	H1
205	JVAMQ	1	24-APR-2007	14:55:23	7114016	A7D200104	H1
206	JVAMQS	1	24-APR-2007	14:56:29	7114016	A7D200104	H1
207	JVAMQD	1	24-APR-2007	14:57:36	7114016	A7D200104	H1
208	JVAMRF	1	24-APR-2007	14:58:56	7114016	A7D200104	H1
209	JVAMRFS	1	24-APR-2007	15:00:27	7114016	A7D200104	H1
210	JVAMRFD	1	24-APR-2007	15:01:38	7114016	A7D200104	H1
211	JVAMT	1	24-APR-2007	15:02:43	7114016	A7D200104	H1
212	JVAMVF	1	24-APR-2007	15:03:52	7114016	A7D200104	H1
213	JVAMW	1	24-APR-2007	15:05:00	7114016	A7D200104	H1
214	CK2CCV	1	24-APR-2007	15:06:28			H1
215	CK1CCB	1	24-APR-2007	15:07:37			H1
216	JVAMXF	1	24-APR-2007	15:08:44	7114016	A7D200104	H1
217	JVHF3B	1	24-APR-2007	15:10:21	7114015	A7D240000	H1
218	JVHF3C	1	24-APR-2007	15:11:40	7114015	A7D240000	H1
219	JVET9	1	24-APR-2007	15:13:06	7114015	A7D210113	H1
220	JVEV1	1	24-APR-2007	15:14:26	7114015	A7D210113	H1

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```
:       Instrument Upload                                    Run Log - Page  6 :
:       Started Wed Apr 25 05:34:38 2007 by LISTM                              :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG10424A.PRN;1                       :
```

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
221	JVEV3F	1	24-APR-2007	15:15:43	7114015	A7D210113	H1
222	JVEV6	1	24-APR-2007	15:17:01	7114015	A7D210113	H1
223	JVEVQF	1	24-APR-2007	15:18:27	7114015	A7D210113	H1
224	JVEVV	1	24-APR-2007	15:19:36	7114015	A7D210113	H1
225	JVEVVS	1	24-APR-2007	15:21:02	7114015	A7D210113	H1
226	CK2CCV	1	24-APR-2007	15:22:11			H1
227	CK1CCB	1	24-APR-2007	15:23:26			H1
228	JVEVVD	1	24-APR-2007	15:24:35	7114015	A7D210113	H1
229	JVEVWF	1	24-APR-2007	15:25:41	7114015	A7D210113	H1
230	JVEVWFS	1	24-APR-2007	15:26:55	7114015	A7D210113	H1
231	JVEVWFD	1	24-APR-2007	15:28:01	7114015	A7D210113	H1
232	JVEWEF	1	24-APR-2007	15:29:10	7114015	A7D210113	H1
233	JVEWJ	1	24-APR-2007	15:30:17	7114015	A7D210113	H1
234	JVEWQF	1	24-APR-2007	15:31:37	7114015	A7D210113	H1
235	JVEWR	1	24-APR-2007	15:32:44	7114015	A7D210113	H1
236	JVEWTF	1	24-APR-2007	15:33:51	7114015	A7D210113	H1
237	CRA	1	24-APR-2007	15:34:59			H1
238	CK2CCV	1	24-APR-2007	15:36:29			H1
239	CK1CCB	1	24-APR-2007	15:37:42			H1

End of Report

GENERAL CHEMISTRY DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

General Chemistry

Lot-Sample #...: A7D200101-001 **Work Order #...:** JVAJX **Matrix.....:** WG
Date Sampled...: 04/18/07 16:55 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

General Chemistry

Lot-Sample #...: A7D200101-003 **Work Order #...:** JVAJ1 **Matrix.....:** WG
Date Sampled...: 04/19/07 10:34 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/26/07	7116485
		Dilution Factor: 1				
Nitrate-Nitrite	ND	0.1	mg/L	MCAWW 353.2	04/25/07	7115506
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

General Chemistry

Lot-Sample #...: A7D200101-005 **Work Order #...:** JVAJ3 **Matrix.....:** WG
Date Sampled...: 04/19/07 14:10 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/26/07	7116485
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

General Chemistry

Lot-Sample #...: A7D200101-007 Work Order #...: JVAJ5 Matrix.....: WG
Date Sampled...: 04/19/07 08:50 Date Received..: 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/26/07	7116485
	Dilution Factor: 1					
Nitrate-Nitrite	ND	0.1	mg/L	MCAWW 353.2	04/25/07	7115506
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

General Chemistry

Lot-Sample #...: A7D200101-009 Work Order #...: JVAJ7 Matrix.....: WG
Date Sampled...: 04/19/07 11:20 Date Received..: 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/26/07	7116485
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

General Chemistry

Lot-Sample #...: A7D200101-011 Work Order #...: JVAJ9 Matrix.....: WG
Date Sampled...: 04/19/07 10:34 Date Received..: 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/26/07	7116485
		Dilution Factor: 1				
Nitrate-Nitrite	ND	0.1	mg/L	MCAWW 353.2	04/25/07	7115506
		Dilution Factor: 1				
Nitrocellulose	**0.15 B**	**0.50**	**mg/L**	**MCAWW 353.2**	**05/07-05/08/07**	**7127254**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

General Chemistry

Lot-Sample #...: A7D200101-013 Work Order #...: JVAKC Matrix.....: WG
Date Sampled...: 04/19/07 09:00 Date Received..: 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

General Chemistry

Lot-Sample #...: A7D200101-015 **Work Order #...:** JVAKE **Matrix.....:** WG
Date Sampled...: 04/19/07 13:45 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

General Chemistry

Lot-Sample #...: A7D200101-017 **Work Order #...:** JVAKJ **Matrix.....:** WG
Date Sampled...: 04/19/07 14:50 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

General Chemistry

Lot-Sample #...: A7D200101-019 **Work Order #...:** JVAKL **Matrix.....:** WG
Date Sampled...: 04/19/07 15:10 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

General Chemistry

Lot-Sample #...: A7D200101-021 Work Order #...: JVAKN Matrix.....: WG
Date Sampled...: 04/19/07 12:30 Date Received..: 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1				
Nitrate-Nitrite	ND	0.1	mg/L	MCAWW 353.2	04/25/07	7115506
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

General Chemistry

Lot-Sample #...: A7D200101-023 **Work Order #...:** JVAKR **Matrix.....:** WQ
Date Sampled...: 04/19/07 13:14 **Date Received..:** 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1				
Nitrate-Nitrite	ND	0.1	mg/L	MCAWW 353.2	04/25/07	7115506
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

General Chemistry

Lot-Sample #...: A7D200101-025 Work Order #...: JVAKW Matrix.....: WG
Date Sampled...: 04/19/07 08:55 Date Received..: 04/20/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
	Dilution Factor: 1					
Nitrate-Nitrite	ND	0.1	mg/L	MCAWW 353.2	04/25/07	7115506
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
	Dilution Factor: 1					

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7D200101 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JVL9H1AA		MB Lot-Sample #:	A7D250000-387	
	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1				
Cyanide, Total		Work Order #: JVQP01AA		MB Lot-Sample #:	A7D260000-485	
	ND	0.010	mg/L	SW846 9012A	04/26/07	7116485
		Dilution Factor: 1				
Cyanide, Total		Work Order #: JVT6H1AA		MB Lot-Sample #:	A7D270000-322	
	ND	0.010	mg/L	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1				
Nitrate-Nitrite		Work Order #: JVMTK1AA		MB Lot-Sample #:	A7D250000-506	
	ND	0.1	mg/L	MCAWW 353.2	04/25/07	7115506
		Dilution Factor: 1				
Nitrocellulose		Work Order #: JWE231AA		MB Lot-Sample #:	G7E070000-254	
	ND	0.50	mg/L	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D200101 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JVL9H1AC	LCS Lot-Sample#: A7D250000-387		
	95	(69 - 118)	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1			
Cyanide, Total		Work Order #: JVQP01AC	LCS Lot-Sample#: A7D260000-485		
	98	(69 - 118)	SW846 9012A	04/26/07	7116485
		Dilution Factor: 1			
Cyanide, Total		Work Order #: JVT6H1AC	LCS Lot-Sample#: A7D270000-322		
	96	(69 - 118)	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1			
Nitrate-Nitrite		Work Order #: JVMTK1AC	LCS Lot-Sample#: A7D250000-506		
	103	(79 - 117)	MCAWW 353.2	04/25/07	7115506
		Dilution Factor: 1			
Nitrocellulose		Work Order #: JWE231AC	LCS Lot-Sample#: G7E070000-254		
	98	(37 - 155)	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7127254 **Analysis Method :** 353.2 Modified **Analysis Date :** 05/08/2007

Preparation Batch : 7127254 **Preparation Type :** 3535 **Preparation Date :** 05/07/2007

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGBKGmw-017C-0414	A7D200101013D	AQ	Nitrocellulose		28	30.00	56.00	120.00	20.00
FWGBKGmw-021C-0418	A7D200101009S		Nitrocellulose	38		30.00	56.00	120.00	20.00
FWGBKGmw-021C-0418	A7D200101009D		Nitrocellulose		71	30.00	56.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWGBKGmw-004C-0405-GW	A7D200101015
FWGBKGmw-008C-0408-GW	A7D200101017
FWGBKGmw-010C-0409-GW	A7D200101019
FWGBKGmw-015C-0412-GW	A7D200101001
FWGBKGmw-017C-0414-GW	A7D200101013
FWGBKGmw-021C-0418-GW	A7D200101009
FWGBKGmw-DUP2-0449-GW	A7D200101005
FWGEQUIPRinse4-0459C-GW	A7D200101023
FWGLL12mw-153C-0431-GW	A7D200101021
FWGLL12mw-182C-0432-GW	A7D200101011
FWGLL12mw-183C-0433-GW	A7D200101025
FWGLL12mw-186C-0434-GW	A7D200101007
FWGLL12mw-DUP4-0451-GW	A7D200101003

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D200101 **Matrix.....:** WATER
Date Sampled...: 04/19/07 11:05 **Date Received..:** 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: JT7LC1AM-MS/JT7LC1AN-MSD				MS Lot-Sample #: A7D190102-019	
	73	(42 - 140)			SW846 9012A	04/25/07	7115387
	72	(42 - 140)	1.0	(0-20)	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1					
Cyanide, Total		WO#: JVAK71CU-MS/JVAK71CV-MSD				MS Lot-Sample #: A7D200102-001	
	92	(42 - 140)			SW846 9012A	04/25/07	7115387
	91	(42 - 140)	0.54	(0-20)	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1					
Cyanide, Total		WO#: JVAMQ1CV-MS/JVAMQ1CW-MSD				MS Lot-Sample #: A7D200104-001	
	90	(42 - 140)			SW846 9012A	04/27/07	7117322
	108	(42 - 140)	18	(0-20)	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1					
Cyanide, Total		WO#: JVDAQ1CA-MS/JVDAQ1CC-MSD				MS Lot-Sample #: A7D200306-021	
	95	(42 - 140)			SW846 9012A	04/26/07	7116485
	98	(42 - 140)	3.4	(0-20)	SW846 9012A	04/26/07	7116485
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D200101 **Matrix.....:** WG
Date Sampled...: 04/19/07 08:55 **Date Received..:** 04/20/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: JVAKC1AM-MS/JVAKC1AN-MSD				MS Lot-Sample #: A7D200101-013	
	95	(42 - 140)			SW846 9012A	04/27/07	7117322
	94	(42 - 140)	0.52	(0-20)	SW846 9012A	04/27/07	7117322
		Dilution Factor: 1					
Nitrate-Nitrite		WO#: JVAKW1AL-MS/JVAKW1AM-MSD				MS Lot-Sample #: A7D200101-025	
	89	(34 - 125)			MCAWW 353.2	04/25/07	7115506
	83	(34 - 125)	6.9	(0-20)	MCAWW 353.2	04/25/07	7115506
		Dilution Factor: 1					
Nitrocellulose		WO#: JVAJ71AX-MS/JVAJ71A0-MSD				MS Lot-Sample #: A7D200101-009	
	38	(37 - 155)			MCAWW 353.2	05/07-05/08/07	7127254
	81 *	(37 - 155)	71	(0-15)	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1					
Nitrocellulose		WO#: JVAKC1AX-MS/JVAKC1A0-MSD				MS Lot-Sample #: A7D200101-013	
	57	(37 - 155)			MCAWW 353.2	05/07-05/08/07	7127254
	75 *	(37 - 155)	28	(0-15)	MCAWW 353.2	05/07-05/08/07	7127254
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

Severn Trent Laboratory, North Canton
Cyanide Reagent Sheet

Date: 4/26/2007

Analyst: MFG/JM

	Reagent Name	Reagent Number
	Sulfamic Acid	WR70382
	Magnesium Chloride	WR70366
	NaOH	WR70398
	Ottawa Sand	WR70439
	H2SO4	WR70431
	Chloromine T	EST LOT 1008314
	Phosphate Buffer	EST LOT 1008643
	Pyradine Barbituric Acid	EST LOT 1007426
A	Calcium Hypochlorite	WR70023
A	Ascorbic Acid	Fisher lot # 061070
F	Zinc Acetate	WR70381
F	Sodium Acetate	WR70179
F	Methyl Red	WR70397

Cadmium carbonate: Sigma-Aldrich batch # 0306PB exp: 11/10/08

Conc.	Standard #	prep date
10 ppm p	CY7090	4/25/2007
10 ppm s	CY7094	
1 ppm s	CY7095	
ICV 0.1	CY7096	
MRL .005	CY7093	
Cal 0.2	CY7091	
CCV 0.1	CY7092	

LCS P133-502 Prep: 4/20/07
tv=0.681 mg/L, 34.05 mg/kg
MS/MSD: 2 ml 1ppm s. Tv= .04 mg/L
tv=2.0 mg/kg

STL-Canton
Konelab 250

Date : 2007-04-27
Time : 17.17

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
CCV-CN	0.0988	0.096			2007-04-27 08.51
CCB-CN	-0.0020	0.005			2007-04-27 08.51
ICV CN	0.0999	0.097	99%		2007-04-27 08.51
MRL CN	0.0029	0.009			2007-04-27 08.51
CCV-CN	0.0961	0.093			2007-04-27 08.52
CCB-CN	-0.0026	0.004			2007-04-27 08.52
CCV-CN	0.0973	0.094			2007-04-27 11.27
CCB-CN	0.0011	0.007			2007-04-27 11.27
BLANK	-0.0016	0.005			2007-04-27 11.27
.025	0.0230	0.027	92%		2007-04-27 11.27
.1	0.0946	0.092	95%		2007-04-27 11.27
JVNF1	-0.0026	0.004			2007-04-27 11.27
JVNT9	0.0024	0.009			2007-04-27 11.27
JVNVG	0.0009	0.007			2007-04-27 11.27
JVNW0	0.0001	0.007			2007-04-27 11.27
JVC9F	-0.0015	0.005			2007-04-27 11.27
JVAKC	-0.0015	0.005			2007-04-27 11.27
CCV-CN	0.0972	0.094			2007-04-27 11.32
CCB-CN	0.0014	0.008			2007-04-27 11.32
JVAKC MS	0.0379	0.041			2007-04-27 11.32
JVAKC MSD	0.0377	0.040			2007-04-27 11.32
JVAKE	-0.0016	0.005			2007-04-27 11.32
JVAKJ	-0.0011	0.005			2007-04-27 11.32
JVAKL	-0.0003	0.006			2007-04-27 11.32
JVAKN	-0.0016	0.005			2007-04-27 11.32
JVAKR	-0.0017	0.005			2007-04-27 11.32
JVAKW	-0.0018	0.005			2007-04-27 11.32
JVALJ	-0.0019	0.005			2007-04-27 11.32
JVAMQ	0.0004	0.007			2007-04-27 11.32
CCV-CN	0.0916	0.089			2007-04-27 11.36
CCB-CN	0.0007	0.007			2007-04-27 11.36
CCV-CN	0.0989	0.096			2007-04-27 11.37
CCB-CN	0.0010	0.007			2007-04-27 11.37
JVAMQ MS	0.0363	0.039			2007-04-27 11.37
JVAMQ MSD	0.0434	0.046			2007-04-27 11.37
JVAMT	-0.0016	0.005			2007-04-27 11.37
JVAMW	-0.0020	0.005			2007-04-27 11.37
CCV-CN	0.1028	0.099			2007-04-27 11.41
CCB-CN	0.0012	0.008			2007-04-27 11.41
CCV-CN	0.1028	0.099			2007-04-27 12.25
CCB-CN	0.0018	0.008			2007-04-27 12.25
CCV-CN	0.1030	0.099			2007-04-27 12.26
CCB-CN	0.0020	0.008			2007-04-27 12.26
CCV-CN	0.0967	0.094			2007-04-27 15.22
CCB-CN	0.0027	0.009			2007-04-27 15.22
JT4XF	-0.1030	0.005		1+49.0	2007-04-27 15.22
JT4XH	-0.1092	0.005		1+49.0	2007-04-27 15.22
JT77X	-0.0625	0.005		1+49.0	2007-04-27 15.22
JT775	-0.1417	0.004		1+49.0	2007-04-27 15.22
JT777	-0.0957	0.005		1+49.0	2007-04-27 15.22
JT78A	-0.1007	0.005		1+49.0	2007-04-27 15.22
JT78D	-0.0960	0.005		1+49.0	2007-04-27 15.22
CCV-CN	0.0993	0.096			2007-04-27 15.28

STL-Canton
Konelab 250
Wet Chemistry

27.04.2007 08:29

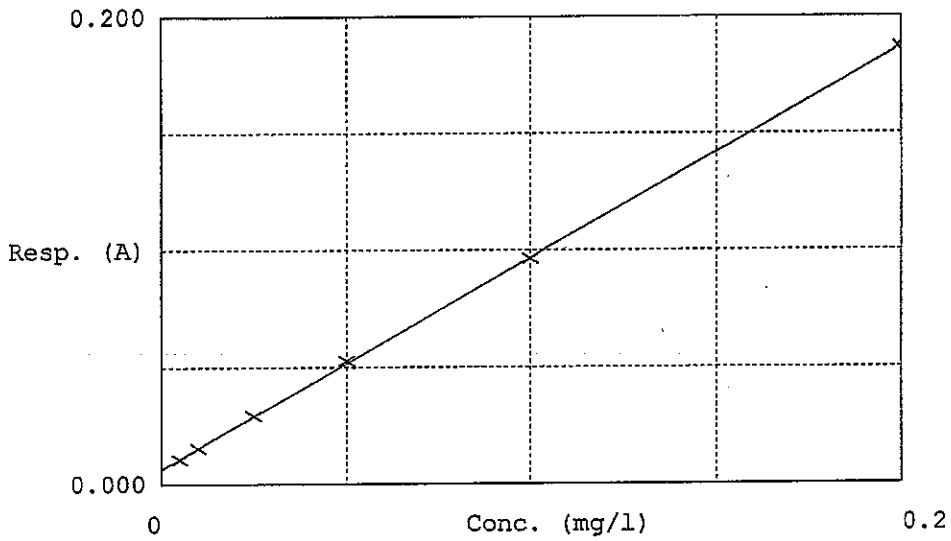
Test Cyanide

Accepted 26.04.2007 14:39

Factor 1.108
Bias 0.006

Coeff. of det. 0.999923

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0.2	0.011	0.00447	0.00500	
2	CN-0.2	0.015	0.00978	0.01000	
3	CN-0.2	0.029	0.02519	0.02500	
4	CN-0.2	0.053	0.05117	0.05000	
5	CN-0.2	0.096	0.09935	0.10000	
6	CN-0.2	0.187	0.20003	0.20000	

NaOH 1005530.
Phos. Buffer 1008643
Chloramine T 1009037
Pyridine Barbituric Acid.

Cal CY7091
CCV CY7092
ICV CY7096
MRL CY7093

8330 EXPLOSIVES DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

HPLC

Lot-Sample #...: A7D200101-001 **Work Order #...:** JVAJX1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 16:55 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	ND	0.099	ug/L
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	**0.095 J**	**0.50**	**ug/L**
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

HPLC

Lot-Sample #...: A7D200101-003 **Work Order #...:** JVAJ11AG **Matrix.....:** WG
Date Sampled...: 04/19/07 10:34 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	ND	0.099	ug/L
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	**0.098 J**	**0.50**	**ug/L**
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

HPLC

Lot-Sample #...: A7D200101-005 **Work Order #...:** JVAJ31AF **Matrix.....:** WG
Date Sampled...: 04/19/07 14:10 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1.08 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.11	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.11	ug/L
1,3-Dinitrobenzene	ND	0.11	ug/L
2,4-Dinitrotoluene	ND	0.11	ug/L
2,6-Dinitrotoluene	ND	0.11	ug/L
HMX	ND	0.11	ug/L
Nitrobenzene	ND	0.11	ug/L
2-Nitrotoluene	**0.095 J**	**0.54**	**ug/L**
3-Nitrotoluene	ND	0.54	ug/L
4-Nitrotoluene	ND	0.54	ug/L
RDX	ND	0.11	ug/L
Tetryl	ND	0.11	ug/L
1,3,5-Trinitrobenzene	ND	0.11	ug/L
2,4,6-Trinitrotoluene	ND	0.11	ug/L
PETN	ND	0.70	ug/L
Nitroglycerin	ND	0.70	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

HPLC

Lot-Sample #...: A7D200101-007 **Work Order #...:** JVAJ51AG **Matrix.....:** WG
Date Sampled...: 04/19/07 08:50 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.098	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.098	ug/L
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	ND	0.098	ug/L
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	ND	0.098	ug/L
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	**0.10 J**	**0.49**	**ug/L**
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	ND	0.098	ug/L
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	**0.031 J**	**0.098**	**ug/L**
2,4,6-Trinitrotoluene	ND	0.098	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

HPLC

Lot-Sample #...: A7D200101-009 **Work Order #...:** JVAJ71AP **Matrix.....:** WG
Date Sampled...: 04/19/07 11:20 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1.04 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.52	ug/L
3-Nitrotoluene	ND	0.52	ug/L
4-Nitrotoluene	ND	0.52	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
Nitroglycerin	ND	0.68	ug/L
PETN	ND	0.68	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

HPLC

Lot-Sample #...: A7D200101-011 **Work Order #...:** JVAJ91AG **Matrix.....:** WG
Date Sampled...: 04/19/07 10:34 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.098	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.098	ug/L
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	ND	0.098	ug/L
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	ND	0.098	ug/L
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	**0.10 J**	**0.49**	**ug/L**
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	ND	0.098	ug/L
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	ND	0.098	ug/L
2,4,6-Trinitrotoluene	ND	0.098	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

HPLC

Lot-Sample #...: A7D200101-013 **Work Order #...:** JVAKC1AP **Matrix.....:** WG
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1.07 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.11	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.11	ug/L
1,3-Dinitrobenzene	ND	0.11	ug/L
2,4-Dinitrotoluene	ND	0.11	ug/L
2,6-Dinitrotoluene	ND	0.11	ug/L
HMX	ND	0.11	ug/L
Nitrobenzene	ND	0.11	ug/L
2-Nitrotoluene	ND	0.54	ug/L
3-Nitrotoluene	ND	0.54	ug/L
4-Nitrotoluene	ND	0.54	ug/L
RDX	ND	0.11	ug/L
Tetryl	ND	0.11	ug/L
1,3,5-Trinitrobenzene	ND	0.11	ug/L
2,4,6-Trinitrotoluene	ND	0.11	ug/L
Nitroglycerin	ND	0.70	ug/L
PETN	**0.34 J**	**0.70**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

HPLC

Lot-Sample #...: A7D200101-015 **Work Order #...:** JVAKE1AF **Matrix.....:** WG
Date Sampled...: 04/19/07 13:45 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1.1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.11	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.11	ug/L
1,3-Dinitrobenzene	ND	0.11	ug/L
2,4-Dinitrotoluene	ND	0.11	ug/L
2,6-Dinitrotoluene	ND	0.11	ug/L
HMX	ND	0.11	ug/L
Nitrobenzene	ND	0.11	ug/L
2-Nitrotoluene	**0.10 J**	**0.55**	**ug/L**
3-Nitrotoluene	ND	0.55	ug/L
4-Nitrotoluene	ND	0.55	ug/L
RDX	ND	0.11	ug/L
Tetryl	ND	0.11	ug/L
1,3,5-Trinitrobenzene	ND	0.11	ug/L
2,4,6-Trinitrotoluene	ND	0.11	ug/L
PETN	ND	0.72	ug/L
Nitroglycerin	ND	0.72	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

HPLC

Lot-Sample #...: A7D200101-017 **Work Order #...:** JVAKJ1AF **Matrix.....:** WG
Date Sampled...: 04/19/07 14:50 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.97 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.097	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.097	ug/L
1,3-Dinitrobenzene	ND	0.097	ug/L
2,4-Dinitrotoluene	ND	0.097	ug/L
2,6-Dinitrotoluene	ND	0.097	ug/L
HMX	ND	0.097	ug/L
Nitrobenzene	ND	0.097	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.097	ug/L
Tetryl	ND	0.097	ug/L
1,3,5-Trinitrobenzene	ND	0.097	ug/L
2,4,6-Trinitrotoluene	ND	0.097	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

HPLC

Lot-Sample #...: A7D200101-019 **Work Order #...:** JVAKL1AF **Matrix.....:** WG
Date Sampled...: 04/19/07 15:10 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.96 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.096	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.096	ug/L
1,3-Dinitrobenzene	ND	0.096	ug/L
2,4-Dinitrotoluene	ND	0.096	ug/L
2,6-Dinitrotoluene	ND	0.096	ug/L
HMX	ND	0.096	ug/L
Nitrobenzene	ND	0.096	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.096	ug/L
Tetryl	ND	0.096	ug/L
1,3,5-Trinitrobenzene	ND	0.096	ug/L
2,4,6-Trinitrotoluene	ND	0.096	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

HPLC

Lot-Sample #...: A7D200101-021 **Work Order #...:** JVAKN1AG **Matrix.....:** WG
Date Sampled...: 04/19/07 12:30 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.97 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.097	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.097	ug/L
1,3-Dinitrobenzene	ND	0.097	ug/L
2,4-Dinitrotoluene	ND	0.097	ug/L
2,6-Dinitrotoluene	ND	0.097	ug/L
HMX	ND	0.097	ug/L
Nitrobenzene	ND	0.097	ug/L
2-Nitrotoluene	**0.097 J**	**0.48**	**ug/L**
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.097	ug/L
Tetryl	ND	0.097	ug/L
1,3,5-Trinitrobenzene	ND	0.097	ug/L
2,4,6-Trinitrotoluene	ND	0.097	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

HPLC

Lot-Sample #...: A7D200101-023 **Work Order #...:** JVAKR1AG **Matrix.....:** WQ
Date Sampled...: 04/19/07 13:14 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
Nitroglycerin	ND	0.65	ug/L
PETN	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

HPLC

Lot-Sample #...: A7D200101-025 **Work Order #...:** JVAKW1AG **Matrix.....:** WG
Date Sampled...: 04/19/07 08:55 **Date Received..:** 04/20/07
Prep Date.....: 04/25/07 **Analysis Date..:** 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	ND	0.099	ug/L
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D200101 **Work Order #...:** JVMAF1AA **Matrix.....:** WATER
MB Lot-Sample #: G7D250000-395

Prep Date.....: 04/25/07
Analysis Date..: 05/07/07 **Prep Batch #...:** 7115395
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
HMX	ND	0.10	ug/L	SW846 8330
Nitrobenzene	ND	0.10	ug/L	SW846 8330
2-Nitrotoluene	ND	0.50	ug/L	SW846 8330
3-Nitrotoluene	ND	0.50	ug/L	SW846 8330
4-Nitrotoluene	ND	0.50	ug/L	SW846 8330
RDX	ND	0.10	ug/L	SW846 8330
Tetryl	ND	0.10	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.10	ug/L	SW846 8330
Nitroglycerin	ND	0.65	ug/L	SW846 8330
PETN	ND	0.65	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D200101 Work Order #...: JVMAF1AC Matrix.....: WATER
LCS Lot-Sample#: G7D250000-395
Prep Date.....: 04/25/07 Analysis Date..: 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**103**	**(85 - 117)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**98**	**(84 - 116)**	**SW846 8330**
1,3-Dinitrobenzene	**102**	**(89 - 119)**	**SW846 8330**
2,4-Dinitrotoluene	**101**	**(85 - 122)**	**SW846 8330**
2,6-Dinitrotoluene	**101**	**(86 - 116)**	**SW846 8330**
HMX	**98**	**(83 - 119)**	**SW846 8330**
Nitrobenzene	**101**	**(88 - 119)**	**SW846 8330**
2-Nitrotoluene	**101**	**(84 - 114)**	**SW846 8330**
3-Nitrotoluene	**91**	**(85 - 116)**	**SW846 8330**
4-Nitrotoluene	**96**	**(85 - 115)**	**SW846 8330**
RDX	**106**	**(87 - 121)**	**SW846 8330**
Tetryl	**92**	**(79 - 113)**	**SW846 8330**
1,3,5-Trinitrobenzene	**103**	**(83 - 114)**	**SW846 8330**
2,4,6-Trinitrotoluene	**100**	**(81 - 120)**	**SW846 8330**
Nitroglycerin	**99**	**(84 - 118)**	**SW846 8330**
PETN	**106**	**(75 - 118)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D200101 Work Order #...: JVAJ71AQ-MS Matrix.....: WG
MS Lot-Sample #: A7D200101-009 JVAJ71AR-MSD
Date Sampled...: 04/19/07 11:20 Date Received..: 04/20/07
Prep Date.....: 04/25/07 Analysis Date..: 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1.08

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	105	(85 - 117)			SW846 8330
	104	(85 - 117)	3.2	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	100	(84 - 116)			SW846 8330
	99	(84 - 116)	3.4	(0-24)	SW846 8330
1,3-Dinitrobenzene	103	(89 - 119)			SW846 8330
	103	(89 - 119)	2.6	(0-24)	SW846 8330
2,4-Dinitrotoluene	102	(85 - 122)			SW846 8330
	102	(85 - 122)	3.0	(0-24)	SW846 8330
2,6-Dinitrotoluene	102	(86 - 116)			SW846 8330
	101	(86 - 116)	3.3	(0-24)	SW846 8330
HMX	97	(83 - 119)			SW846 8330
	98	(83 - 119)	1.6	(0-24)	SW846 8330
Nitrobenzene	100	(88 - 119)			SW846 8330
	101	(88 - 119)	2.3	(0-25)	SW846 8330
2-Nitrotoluene	103	(84 - 114)			SW846 8330
	103	(84 - 114)	2.7	(0-24)	SW846 8330
3-Nitrotoluene	97	(85 - 116)			SW846 8330
	96	(85 - 116)	3.5	(0-24)	SW846 8330
4-Nitrotoluene	98	(85 - 115)			SW846 8330
	97	(85 - 115)	3.0	(0-24)	SW846 8330
RDX	105	(87 - 121)			SW846 8330
	107	(87 - 121)	1.6	(0-23)	SW846 8330
Tetryl	91	(79 - 113)			SW846 8330
	91	(79 - 113)	2.6	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	102	(83 - 114)			SW846 8330
	103	(83 - 114)	1.2	(0-24)	SW846 8330
2,4,6-Trinitrotoluene	101	(81 - 120)			SW846 8330
	100	(81 - 120)	2.9	(0-26)	SW846 8330
Nitroglycerin	99	(84 - 118)			SW846 8330
	99	(84 - 118)	2.6	(0-18)	SW846 8330
PETN	101	(75 - 118)			SW846 8330
	100	(75 - 118)	3.7	(0-15)	SW846 8330

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D200101 **Work Order #...:** JVAJ71AQ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-009 JVAJ71AR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	101	(79 - 116)
	100	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D200101 Work Order #...: JVAKC1AQ-MS Matrix.....: WG
MS Lot-Sample #: A7D200101-013 JVAKC1AR-MSD
Date Sampled...: 04/19/07 09:00 Date Received..: 04/20/07
Prep Date.....: 04/25/07 Analysis Date..: 05/07/07
Prep Batch #...: 7115395
Dilution Factor: 1.05

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	104	(85 - 117)			SW846 8330
	104	(85 - 117)	4.2	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	98	(84 - 116)			SW846 8330
	95	(84 - 116)	6.6	(0-24)	SW846 8330
1,3-Dinitrobenzene	105	(89 - 119)			SW846 8330
	107	(89 - 119)	1.8	(0-24)	SW846 8330
2,4-Dinitrotoluene	101	(85 - 122)			SW846 8330
	101	(85 - 122)	3.5	(0-24)	SW846 8330
2,6-Dinitrotoluene	101	(86 - 116)			SW846 8330
	101	(86 - 116)	3.0	(0-24)	SW846 8330
HMX	97	(83 - 119)			SW846 8330
	94	(83 - 119)	6.0	(0-24)	SW846 8330
Nitrobenzene	113	(88 - 119)			SW846 8330
	128 a	(88 - 119)	8.4	(0-25)	SW846 8330
2-Nitrotoluene	102	(84 - 114)			SW846 8330
	103	(84 - 114)	1.8	(0-24)	SW846 8330
3-Nitrotoluene	95	(85 - 116)			SW846 8330
	96	(85 - 116)	2.1	(0-24)	SW846 8330
4-Nitrotoluene	95	(85 - 115)			SW846 8330
	96	(85 - 115)	3.1	(0-24)	SW846 8330
RDX	106	(87 - 121)			SW846 8330
	107	(87 - 121)	1.8	(0-23)	SW846 8330
Tetryl	89	(79 - 113)			SW846 8330
	84	(79 - 113)	8.4	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	98	(83 - 114)			SW846 8330
	94	(83 - 114)	8.1	(0-24)	SW846 8330
2,4,6-Trinitrotoluene	100	(81 - 120)			SW846 8330
	99	(81 - 120)	4.5	(0-26)	SW846 8330
Nitroglycerin	99	(84 - 118)			SW846 8330
	100	(84 - 118)	2.0	(0-18)	SW846 8330
PETN	101	(75 - 118)			SW846 8330
	97	(75 - 118)	6.4	(0-15)	SW846 8330

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1AQ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1AR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)
	97	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

STL Sacramento
GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Ccve: 03242007.B

Inst ID : LC10.I
Batch ID : 05052007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
05-MAY-2007	18:20	KenneyF	Primer	A-000001.	0 g	0 mL	1	
05-MAY-2007	19:14	KenneyF	Primer	A-000002.	0 g	0 mL	1	
05-MAY-2007	20:07	KenneyF	Blank	A-000003.	1000 mL	20 mL	1	
05-MAY-2007	21:00	KenneyF	CCV_5 E070314F 100/200/100/100	A-000004.	0 g	0 mL	1	
05-MAY-2007	21:53	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000005.	0 g	0 mL	1	
05-MAY-2007	22:46	KenneyF	JT7LC1AP 7114356 A7D190102-19	A-000006.	1001 mL	20 mL	5	
05-MAY-2007	23:39	KenneyF	JT7LC1AQS 7114356 A7D190102-19	A-000007.	1004 mL	20 mL	5	
06-MAY-2007	00:32	KenneyF	JT7LC1ARD 7114356 A7D190102-19	A-000008.	1005 mL	20 mL	5	
06-MAY-2007	01:25	KenneyF	CCV_6 E070314I 200/500/200/200	A-000009.	0 g	0 mL	1	
06-MAY-2007	02:18	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000010.	0 g	0 mL	1	
06-MAY-2007	03:11	KenneyF	MDL CHECKG7D260000-MDL CHK	A-000011.	1000 mL	20 mL	1	
06-MAY-2007	04:04	KenneyF	JVG921AAB 7113559 G7D230000-MB	A-000012.	2 g	40 mL	1	
06-MAY-2007	04:57	KenneyF	JVG921ACC 7113559 G7D230000-LC	A-000013.	2 g	40 mL	1	
06-MAY-2007	05:50	KenneyF	JT6JK1AD 7113559 G7D180307-1	A-000014.	2.01 g	40 mL	1	
06-MAY-2007	06:43	KenneyF	JT6JK1AXS 7113559 G7D180307-1M	A-000015.	2.03 g	40 mL	1	
06-MAY-2007	07:36	KenneyF	JT6JK1A0D 7113559 G7D180307-1M	A-000016.	2.04 g	40 mL	1	
06-MAY-2007	08:29	KenneyF	JT6JP1AD 7113559 G7D180307-2	A-000017.	2.04 g	40 mL	1	
06-MAY-2007	09:23	KenneyF	JT6JR1AD 7113559 G7D180307-3	A-000018.	2.02 g	40 mL	1	
06-MAY-2007	10:16	KenneyF	JT6JT1AD 7113559 G7D180307-4	A-000019.	2.04 g	40 mL	1	
06-MAY-2007	11:09	KenneyF	JT6J01AD 7113559 G7D180307-5	A-000020.	1.99 g	40 mL	1	
06-MAY-2007	12:02	KenneyF	JT6J11AD 7113559 G7D180307-6	A-000021.	1.99 g	40 mL	1	
06-MAY-2007	12:55	KenneyF	CCV_5 E070314F 100/200/100/100	A-000022.	0 g	0 mL	1	
06-MAY-2007	13:48	KenneyF	JT6J21AD 7113559 G7D180307-7	A-000023.	2.03 g	40 mL	1	
06-MAY-2007	14:41	KenneyF	JT6J41AD 7113559 G7D180307-8	A-000024.	1.99 g	40 mL	1	
06-MAY-2007	15:34	KenneyF	JT6J71AD 7113559 G7D180307-9	A-000025.	2.03 g	40 mL	1	
06-MAY-2007	16:27	KenneyF	JT6KC1AD 7113559 G7D180307-10	A-000026.	2.02 g	40 mL	1	
06-MAY-2007	17:20	KenneyF	JT6KD1AD 7113559 G7D180307-11	A-000027.	2.02 g	40 mL	1	
06-MAY-2007	18:13	KenneyF	JT6KE1AD 7113559 G7D180307-12	A-000028.	2.04 g	40 mL	1	
06-MAY-2007	19:06	KenneyF	JT6KF1AD 7113559 G7D180307-13	A-000029.	2.04 g	40 mL	1	
06-MAY-2007	19:59	KenneyF	JT6KG1AD 7113559 G7D180307-14	A-000030.	2.01 g	40 mL	1	
06-MAY-2007	20:52	KenneyF	JT6KH1AD 7113559 G7D180307-15	A-000031.	2.02 g	40 mL	1	
06-MAY-2007	21:45	KenneyF	JT6KJ1AD 7113559 G7D180307-16	A-000032.	2.02 g	40 mL	1	
06-MAY-2007	22:38	KenneyF	CCV_5 E070314F 100/200/100/100	A-000033.	0 g	0 mL	1	
06-MAY-2007	23:31	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000034.	0 g	0 mL	1	
07-MAY-2007	00:24	KenneyF	JT6KK1AD 7113559 G7D180307-17	A-000035.	1.98 g	40 mL	1	
07-MAY-2007	01:17	KenneyF	JT6KL1AD 7113559 G7D180307-18	A-000036.	2.04 g	40 mL	1	
07-MAY-2007	02:10	KenneyF	JT6KM1AD 7113559 G7D180307-19	A-000037.	2.01 g	40 mL	1	
07-MAY-2007	03:04	KenneyF	JT6KP1AD 7113559 G7D180307-20	A-000038.	2.03 g	40 mL	1	
07-MAY-2007	03:57	KenneyF	JVMAF1AAB 7115395 G7D250000-MB	A-000039.	1000 mL	20 mL	1	
07-MAY-2007	04:50	KenneyF	JVMAF1ACC 7115395 G7D250000-LC	A-000040.	1000 mL	20 mL	1	
07-MAY-2007	05:43	KenneyF	JVA[illegible] 7115395 A7D200101-1	A-000041.	1008 mL	20 mL	1	
07-MAY-2007	06:36	KenneyF	JVA[illegible] 7115395 A7D200101-3	A-000042.	1001 mL	20 mL	1	
07-MAY-2007	07:29	KenneyF	JVA[illegible] 7115395 A7D200101-5	A-000043.	924 mL	20 mL	1	
07-MAY-2007	08:22	KenneyF	JVA[illegible] 7115395 A7D200101-7	A-000044.	1019 mL	20 mL	1	
07-MAY-2007	09:15	KenneyF	CCV_5 E070314F 100/200/100/100	A-000045.	0 g	0 mL	1	
07-MAY-2007	10:08	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000046.	0 g	0 mL	1	
07-MAY-2007	11:01	KenneyF	JVAJ71AP 7115395 A7D200101-9	A-000047.	955 mL	20 mL	1	
07-MAY-2007	11:55	KenneyF	JVA[illegible] 7115395 A7D200101-9M	A-000048.	920 mL	20 mL	1	
07-MAY-2007	12:48	KenneyF	JVA[illegible] 7115395 A7D200101-9M	A-000049.	945 mL	20 mL	1	

07-MAY-2007	13:41	KenneyF	JVA391AG 7115395 A7D200101-11	A-000050.	1017 mL	20 mL	1	
07-MAY-2007	14:34	KenneyF	JVAKC1AP 7115395 A7D200101-13	A-000051.	934 mL	20 mL	1	
07-MAY-2007	15:27	KenneyF	JVAKC1ACS 7115395 A7D200101-13	A-000052.	949 mL	20 mL	1	
07-MAY-2007	16:20	KenneyF	JVAKC1ARD 7115395 A7D200101-13	A-000053.	983 mL	20 mL	1	
07-MAY-2007	17:13	KenneyF	JVAKE1AF 7115395 A7D200101-15	A-000054.	902 mL	20 mL	1	
07-MAY-2007	18:06	KenneyF	JVAKJ1AP 7115395 A7D200101-17	A-000055.	1021 mL	20 mL	1	
07-MAY-2007	18:59	KenneyF	JVAKE1AF 7115395 A7D200101-19	A-000056.	1036 mL	20 mL	1	
07-MAY-2007	19:52	KenneyF	CCV_5 E070314F 100/200/100/100	A-000057.	0 g	0 mL	1	
07-MAY-2007	20:45	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000058.	0 g	0 mL	1	
07-MAY-2007	21:38	KenneyF	JVAKN1AG 7115395 A7D200101-21	A-000059.	1025 mL	20 mL	1	
07-MAY-2007	22:31	KenneyF	JVAKR1AG 7115395 A7D200101-23	A-000060.	996 mL	20 mL	1	
07-MAY-2007	23:24	KenneyF	JVAKW1AG 7115395 A7D200101-25	A-000061.	1002 mL	20 mL	1	
08-MAY-2007	00:18	KenneyF	JVTXG1AAB 7117287 G7D270000-MB	A-000062.	1000 mL	20 mL	1	
08-MAY-2007	01:11	KenneyF	JVTXG1ACC 7117287 G7D270000-LC	A-000063.	1000 mL	20 mL	1	
08-MAY-2007	02:04	KenneyF	JVTLW1ADL 7117235 G7D270000-LC	A-000064.	1000 mL	20 mL	1	
08-MAY-2007	02:57	KenneyF	JVL141AA 7117287 G7D250238-6	A-000065.	999 mL	20 mL	1	
08-MAY-2007	03:50	KenneyF	JVMH91AA 7117235 G7D250291-1	A-000066.	1014 mL	20 mL	1	
08-MAY-2007	04:43	KenneyF	JVPVN1AA 7117235 G7D260281-1	A-000067.	1010 mL	20 mL	1	
08-MAY-2007	05:36	KenneyF	CCV_5 E070314F 100/200/100/100	A-000068.	0 g	0 mL	1	
08-MAY-2007	06:29	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000069.	0 g	0 mL	1	
08-MAY-2007	07:22	KenneyF	JVRNE1AAB 7117169 G7D270000-MB	A-000070.	1000 mL	20 mL	1	
08-MAY-2007	08:15	KenneyF	JVRNE1ACC 7117169 G7D270000-LC	A-000071.	1000 mL	20 mL	1	
08-MAY-2007	09:08	KenneyF	JVKA91AA 7117169 G7D240314-1	A-000072.	1010 mL	20 mL	1	
08-MAY-2007	10:01	KenneyF	JVKCA1AA 7117169 G7D240314-2	A-000073.	1024 mL	20 mL	1	
08-MAY-2007	10:54	KenneyF	JVKCA1ACS 7117169 G7D240314-2M	A-000074.	1020 mL	20 mL	1	
08-MAY-2007	11:47	KenneyF	JVKCA1ADD 7117169 G7D240314-2M	A-000075.	1023 mL	20 mL	1	
08-MAY-2007	12:40	KenneyF	JVKCG1AA 7117169 G7D240314-3	A-000076.	1008 mL	20 mL	1	
08-MAY-2007	13:33	KenneyF	JVKCK1AA 7117169 G7D240314-4	A-000077.	999 mL	20 mL	1	

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A-000034.D

Chromatography Summary

Injection Date: 5/6/2007 23:31 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000034.D **Vial Num:** 8

Method 8330 Target Analyte Results

Instrument ID: LC10

Sample : **CCV_1 E070314B 5/0/0/0ng/mL**

Method File: LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	0 mL	0 mL	0 g

Matrix: NONE **SubList:** EXPW.sub **SpikeList:**

Samp. Info: CCV_1 E070314B 5/0/0/0ng/mL;2

Misc. Info: ;1; ; ; ;3;EXPW.sub; ;0;1

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	RT	Response	PPB	Spike Level	%D	Result	Flag	RT	Response	PPB	Spike Level	%D	Result	Flag	Limits(%)	Flag
3,4-Dinitrotoluene				5	-100%	Fails					5	-100%	Fails		(±15)	
HMX	5.25	629	4.8450<	5	-3%	Acceptable					5	-100%	Fails		(±15)	45
~~RDX~~	~~7.84~~	~~264~~	~~3.4500<~~	~~5~~	~~31%~~	~~Fails~~					5	-100%	Fails		(±15)	45
~~Picric ACID~~	~~9.35~~	~~27~~	~~0.3471~~	~~10~~	~~-97%~~	~~Fails~~					10	-100%	Fails		(±15)	45
1,3,5-Trinitrobenzene	10.34	692	4.7340<	5	-5%	Acceptable					5	-100%	Fails		(±15)	45
1,3-Dinitrobenzene	13.44	712	5.0320<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
TETRYL	14.53	423	5.0380<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
Nitrobenzene	15.40	331	5.1610<	5	3%	Acceptable					5	-100%	Fails		(±15)	45
2,4,6-Trinitrotoluene	16.86	434	5.0640<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
4-AM-2,6-DNT	17.82	323	5.0950<	5	2%	Acceptable					5	-100%	Fails		(±15)	45
2-AM-4,6-DNT	18.90	370	5.1840<	5	4%	Acceptable					5	-100%	Fails		(±15)	45
2,6-Dinitrotoluene	20.71	265	5.1290<	5	3%	Acceptable					5	-100%	Fails		(±15)	45
2,4-Dinitrotoluene	21.51	413	5.0860<	5	2%	Acceptable					5	-100%	Fails		(±15)	45
2-Nitrotoluene	25.33	191	5.3260<	5	7%	Acceptable					5	-100%	Fails		(±15)	45
4-Nitrotoluene	27.18	223	5.2840<	5	6%	Acceptable					5	-100%	Fails		(±15)	45
3-Nitrotoluene	29.27	228	5.4840<	5	10%	Acceptable					5	-100%	Fails		(±15)	45
Nitroglycerin				5	-100%	Fails					5	-100%	Fails		(±15)	
PETN				5	-100%	Fails					5	-100%	Fails		(±15)	

3/24/07

MRL meets criteria ±30%

except RDX

6/4/07

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

Printed: 5/8/2007 11:13 AM

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A-000046.D

Chromatography Summary

Method 8330 Target Analyte Results

Sample : **CCV_1 E070314B 5/0/0/0ng/mL**

Injection Date:	5/7/2007 10:08	**Operator:**	KenneyF
DataFile:	LC10.I\05052007.B\A-000046.D	**Vial Num:**	8
Instrument ID:	LC10		
Method File:	LC10.I\05052007.B\8330AB.M		
Start Cal Date:	3/24/2007 15:16	**End Cal Date:**	3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	0 mL	0 mL	0 g

Matrix: NONE **SubList:** EXPW.sub **SpikeList:**

Samp. Info: CCV_1 E070314B 5/0/0/0ng/mL;2

Misc. Info: ;1;;;;3;EXPW.sub;;0;1

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	**RT**	**Response**	**PPB**	**Spike Level**	**%D**	**Result**	**Flag**	**RT**	**Response**	**PPB**	**Spike Level**	**%D**	**Result**	**Flag**	**Limits(%)**	**Flag**
3,4-Dinitrotoluene				5	-100%	Fails					5	-100%	Fails		(±15)	
HMX	5.25	618	4.7600<	5	-5%	Acceptable					5	-100%	Fails		(±15)	45
~~RDX~~	~~7.85~~	~~277~~	~~3.6200<~~	~~5~~	~~-28%~~	~~Fails~~					5	-100%	Fails		(±15)	45
Picric ACID				10	-100%	Fails					10	-100%	Fails		(±15)	
1,3,5-Trinitrobenzene	10.34	715	4.8920<	5	-2%	Acceptable					5	-100%	Fails		(±15)	45
1,3-Dinitrobenzene	13.45	707	4.9970<	5	0%	Acceptable					5	-100%	Fails		(±15)	45
TETRYL	14.56	432	5.1450<	5	3%	Acceptable					5	-100%	Fails		(±15)	45
Nitrobenzene	15.42	314	4.8960<	5	-2%	Acceptable					5	-100%	Fails		(±15)	45
2,4,6-Trinitrotoluene	16.88	437	5.0990<	5	2%	Acceptable					5	-100%	Fails		(±15)	45
4-AM-2,6-DNT	17.79	320	5.0480<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
2-AM-4,6-DNT	18.92	371	5.1980<	5	4%	Acceptable					5	-100%	Fails		(±15)	45
2,6-Dinitrotoluene	20.70	273	5.2840<	5	6%	Acceptable					5	-100%	Fails		(±15)	45
2,4-Dinitrotoluene	21.50	422	5.1970<	5	4%	Acceptable					5	-100%	Fails		(±15)	45
2-Nitrotoluene	25.28	188	5.2420<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
4-Nitrotoluene	27.19	207	4.9050<	5	-2%	Acceptable					5	-100%	Fails		(±15)	45
3-Nitrotoluene	29.34	230	5.5330<	5	11%	Acceptable					5	-100%	Fails		(±15)	45
Nitroglycerin				5	-100%	Fails					5	-100%	Fails		(±15)	
PETN				5	-100%	Fails					5	-100%	Fails		(±15)	

MRL meets criteria ±30%

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

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A-000058.D

Chromatography Summary

Injection Date: 5/7/2007 20:45 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000058.D **Vial Num:** 9

Instrument ID: LC10

Method 8330 Target Analyte Results

Sample : **CCV_1 E070314B 5/0/0/0ng/mL**

Method File: LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	0 mL	0 mL	0 g

Matrix: NONE **SubList:** EXPW.sub **SpikeList:**

Samp. Info: CCV_1 E070314B 5/0/0/0ng/mL;2

Misc. Info: ;1;;;3;EXPW.sub;;0;1

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	RT	Response	PPB	Spike Level	%D	Result	Flag	RT	Response	PPB	Spike Level	%D	Result	Flag	Limits(%)	Flag
3,4-Dinitrotoluene				5	-100%	Fails					5	-100%	Fails		(±15)	
HMX	5.25	617	4.7520<	5	-5%	Acceptable					5	-100%	Fails		(±15)	45
~~RDX~~	~~7.80~~	~~188~~	~~2.4570<~~	~~5~~	~~51%~~	~~Fails~~					5	-100%	Fails		(±15)	45
Picric ACID	**9.17**	**24**	**0.3086**	**10**	**-97%**	**Fails**					**10**	**-100%**	**Fails**		(±15)	45
1,3,5-Trinitrobenzene	10.32	715	4.8920<	5	-2%	Acceptable					5	-100%	Fails		(±15)	45
1,3-Dinitrobenzene	13.43	741	5.2370<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
TETRYL	14.49	452	5.3830<	5	8%	Acceptable					5	-100%	Fails		(±15)	45
Nitrobenzene	15.37	338	5.2700<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
2,4,6-Trinitrotoluene	16.84	448	5.2270<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
4-AM-2,6-DNT	17.70	340	5.3630<	5	7%	Acceptable					5	-100%	Fails		(±15)	45
2-AM-4,6-DNT	18.82	397	5.5620<	5	11%	Acceptable					5	-100%	Fails		(±15)	45
2,6-Dinitrotoluene	20.64	274	5.3030<	5	6%	Acceptable					5	-100%	Fails		(±15)	45
2,4-Dinitrotoluene	21.39	412	5.0740<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
2-Nitrotoluene	25.19	167	4.6560<	5	-7%	Acceptable					5	-100%	Fails		(±15)	45
4-Nitrotoluene	27.15	227	5.3790<	5	8%	Acceptable					5	-100%	Fails		(±15)	45
3-Nitrotoluene	29.20	220	5.2920<	5	6%	Acceptable					5	-100%	Fails		(±15)	45
Nitroglycerin				5	-100%	Fails					5	-100%	Fails		(±15)	
PETN				5	-100%	Fails					5	-100%	Fails		(±15)	

MRL meets criteria ± 30% except RDX JK 5/8/07

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

Printed: 5/8/2007 11:19 AM

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A-000069.D

Chromatography Summary

Injection Date: 5/8/2007 6:29 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000069.D **Vial Num:** 9

Method 8330 Target Analyte Results

Instrument ID: LC10

Sample : **CCV_1 E070314B 5/0/0/0ng/mL**

Method File: LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	0 mL	0 mL	0 g

Matrix: NONE **SubList:** EXPW.sub **SpikeList:**

Samp. Info: CCV_1 E070314B 5/0/0/0ng/mL;2

Misc. Info: ;1;;;3;EXPW.sub;;0:1

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	**RT**	**Response**	**PPB**	**Spike Level**	**%D**	**Result**	**Flag**	**RT**	**Response**	**PPB**	**Spike Level**	**%D**	**Result**	**Flag**	**Limits(%)**	**Flag**
3,4-Dinitrotoluene				5	-100%	Fails					5	-100%	Fails		(±15)	
HMX	5.26	618	4.7600<	5	-5%	Acceptable					5	-100%	Fails		(±15)	45
RDX	7.84	275	3.5940<	5	-28%	Fails					5	-100%	Fails		(±15)	45
Picric ACID				10	-100%	Fails					10	-100%	Fails		(±15)	
1,3,5-Trinitrobenzene	10.34	720	4.9260<	5	-1%	Acceptable					5	-100%	Fails		(±15)	45
1,3-Dinitrobenzene	13.45	722	5.1030<	5	2%	Acceptable					5	-100%	Fails		(±15)	45
TETRYL	14.53	426	5.0730<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
Nitrobenzene	15.39	328	5.1140<	5	2%	Acceptable					5	-100%	Fails		(±15)	45
2,4,6-Trinitrotoluene	16.84	452	5.2740<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
4-AM-2,6-DNT	17.79	324	5.1110<	5	2%	Acceptable					5	-100%	Fails		(±15)	45
2-AM-4,6-DNT	18.89	368	5.1560<	5	3%	Acceptable					5	-100%	Fails		(±15)	45
2,6-Dinitrotoluene	20.70	292	5.6520<	5	13%	Acceptable					5	-100%	Fails		(±15)	45
2,4-Dinitrotoluene	21.48	429	5.2830<	5	6%	Acceptable					5	-100%	Fails		(±15)	45
2-Nitrotoluene	25.22	189	5.2700<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
4-Nitrotoluene	27.16	209	4.9520<	5	-1%	Acceptable					5	-100%	Fails		(±15)	45
3-Nitrotoluene	29.20	202	4.8590<	5	-3%	Acceptable					5	-100%	Fails		(±15)	45
Nitroglycerin				5	-100%	Fails					5	-100%	Fails		(±15)	
PETN				5	-100%	Fails					5	-100%	Fails		(±15)	

MRL meets criteria ±30%

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

Printed: 5/8/2007 11:22 AM

8330MOD NITROGUANIDINE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-015C-0412-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-001	**Work Order #...:**	JVAJX1AJ	**Matrix.....:**	WG
Date Sampled...:	04/18/07 16:55	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-DUP4-0451-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-003	**Work Order #...:**	JVAJ11AK	**Matrix.....:**	WG
Date Sampled...:	04/19/07 10:34	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-DUP2-0449-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-005	**Work Order #...:**	JVAJ31AJ	**Matrix.....:**	WG
Date Sampled...:	04/19/07 14:10	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-186C-0434-GW

Dissolved HPLC

Lot-Sample #...: A7D200101-007 Work Order #...: JVAJ51AK Matrix.....: WG
Date Sampled...: 04/19/07 08:50 Date Received..: 04/20/07
Prep Date.....: 04/26/07 Analysis Date..: 04/27/07
Prep Batch #...: 7116304
Dilution Factor: 1 Method.....: SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-021C-0418-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-009	**Work Order #...:**	JVAJ71A1	**Matrix.....:**	WG
Date Sampled...:	04/19/07 11:20	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-182C-0432-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-011	**Work Order #...:**	JVAJ91AK	**Matrix.....:**	WG
Date Sampled...:	04/19/07 10:34	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-017C-0414-GW

Dissolved HPLC

Lot-Sample #...: A7D200101-013 Work Order #...: JVAKC1A1 Matrix.....: WG
Date Sampled...: 04/19/07 09:00 Date Received..: 04/20/07
Prep Date.....: 04/26/07 Analysis Date..: 04/27/07
Prep Batch #...: 7116304
Dilution Factor: 1 Method.....: SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-004C-0405-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-015	**Work Order #...:**	JVAKE1AJ	**Matrix.....:**	WG
Date Sampled...:	04/19/07 13:45	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-008C-0408-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-017	**Work Order #...:**	JVAKJ1AJ	**Matrix.....:**	WG
Date Sampled...:	04/19/07 14:50	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-010C-0409-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-019	**Work Order #...:**	JVAKL1AJ	**Matrix.....:**	WG
Date Sampled...:	04/19/07 15:10	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/28/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-153C-0431-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-021	**Work Order #...:**	JVAKN1AK	**Matrix.....:**	WG
Date Sampled...:	04/19/07 12:30	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/28/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse4-0459C-GW

Dissolved HPLC

Lot-Sample #...: A7D200101-023 Work Order #...: JVAKR1AK Matrix.....: WQ
Date Sampled...: 04/19/07 13:14 Date Received..: 04/20/07
Prep Date.....: 04/26/07 Analysis Date..: 04/28/07
Prep Batch #...: 7116304
Dilution Factor: 1 Method.....: SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL12mw-183C-0433-GW

Dissolved HPLC

Lot-Sample #...:	A7D200101-025	**Work Order #...:**	JVAKW1AK	**Matrix.....:**	WG
Date Sampled...:	04/19/07 08:55	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/28/07		
Prep Batch #...:	7116304				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D200101 **Work Order #...:** JVN541AA **Matrix.....:** WATER
MB Lot-Sample #: G7D260000-304

Prep Date.....: 04/26/07
Analysis Date..: 04/27/07 **Prep Batch #...:** 7116304
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Nitroguanidine	ND	20	ug/L	SW846 8330 (Modif

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D200101 Work Order #...: JVN541AC Matrix.....: WATER
LCS Lot-Sample#: G7D260000-304
Prep Date.....: 04/26/07 Analysis Date..: 04/27/07
Prep Batch #...: 7116304
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Nitroguanidine	**98**	**(84 - 123)**	**SW846 8330 (Modified**

NOTE(S):

- Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...:	A7D200101	**Work Order #...:**	JVAJ71A2-MS	**Matrix.....:**	WG
MS Lot-Sample #:	A7D200101-009		JVAJ71A3-MSD		
Date Sampled...:	04/19/07 11:20	**Date Received..:**	04/20/07		
Prep Date.....:	04/26/07	**Analysis Date..:**	04/27/07		
Prep Batch #...:	7116304				
Dilution Factor:	1				

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	**99**	**(84 - 123)**			**SW846 8330 (Modified**
	92	**(84 - 123)**	**6.4**	**(0-15)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D200101 **Work Order #...:** JVAKC1A2-MS **Matrix.....:** WG
MS Lot-Sample #: A7D200101-013 JVAKC1A3-MSD
Date Sampled...: 04/19/07 09:00 **Date Received..:** 04/20/07
Prep Date.....: 04/26/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7116304
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	100	(84 - 123)			**SW846 8330 (Modified**
	100	(84 - 123)	0.37	(0-15)	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A7D200101 No quals w/in NELAC criteria dmb 6/14/07 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria Lower Limit	Criteria Upper Limit
FWGLL12mw-153C-0431-	A7D200101021	353.2	AQ	1.4	2.0	6.0
FWGLL12mw-186C-0434-	A7D200101007	353.2	AQ	1.4	2.0	6.0
FWGBKGmw-004C-0405-G	A7D200101015	353.2 Modified	AQ	1.7	2.0	6.0
FWGBKGmw-010C-0409-G	A7D200101019	353.2 Modified	AQ	1.4	2.0	6.0
FWGBKGmw-015C-0412-G	A7D200101001	353.2 Modified	AQ	1.6	2.0	6.0
FWGBKGmw-017C-0414-G	A7D200101013	353.2 Modified	AQ	1.7	2.0	6.0
FWGBKGmw-017C-0414-G	A7D200101013S	353.2 Modified	AQ	1.7	2.0	6.0
FWGBKGmw-017C-0414-G	A7D200101013D	353.2 Modified	AQ	1.7	2.0	6.0
FWGBKGmw-021C-0418-G	A7D200101009	353.2 Modified	AQ	1.7	2.0	6.0
FWGBKGmw-021C-0418-G	A7D200101009S	353.2 Modified	AQ	1.7	2.0	6.0
FWGBKGmw-021C-0418-G	A7D200101009D	353.2 Modified	AQ	1.7	2.0	6.0
FWGBKGmw-DUP2-0449-	A7D200101005	353.2 Modified	AQ	1.7	2.0	6.0
FWGLL12mw-153C-0431-	A7D200101021	353.2 Modified	AQ	1.4	2.0	6.0
FWGLL12mw-186C-0434-	A7D200101007	353.2 Modified	AQ	1.4	2.0	6.0
FWGBKGmw-004C-0405-G	A7D200101015	8081A	AQ	1.7	2.0	
FWGBKGmw-010C-0409-G	A7D200101019	8081A	AQ	1.4	2.0	
FWGBKGmw-015C-0412-G	A7D200101001	8081A	AQ	1.6	2.0	
FWGBKGmw-017C-0414-G	A7D200101013	8081A	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013S	8081A	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013D	8081A	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009	8081A	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009S	8081A	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009D	8081A	AQ	1.7	2.0	
FWGBKGmw-DUP2-0449-	A7D200101005	8081A	AQ	1.7	2.0	
FWGLL12mw-153C-0431-	A7D200101021	8081A	AQ	1.4	2.0	
FWGLL12mw-186C-0434-	A7D200101007	8081A	AQ	1.4	2.0	
FWGBKGmw-004C-0405-G	A7D200101015	8082	AQ	1.7	2.0	
FWGBKGmw-010C-0409-G	A7D200101019	8082	AQ	1.4	2.0	
FWGBKGmw-015C-0412-G	A7D200101001	8082	AQ	1.6	2.0	
FWGBKGmw-017C-0414-G	A7D200101013	8082	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013S	8082	AQ	1.7	2.0	

Project Number and Name: ***030240.0005 - Ravenna GW***

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria Lower Limit	Criteria Upper Limit
FWGBKGmw-017C-0414-G	A7D200101013D	8082	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009	8082	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009S	8082	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009D	8082	AQ	1.7	2.0	
FWGBKGmw-DUP2-0449-	A7D200101005	8082	AQ	1.7	2.0	
FWGLL12mw-153C-0431-	A7D200101021	8082	AQ	1.4	2.0	
FWGLL12mw-186C-0434-	A7D200101007	8082	AQ	1.4	2.0	
FWGBKGmw-004C-0405-G	A7D200101015	8260B	AQ	1.7	2.0	
FWGBKGmw-010C-0409-G	A7D200101019	8260B	AQ	1.4	2.0	
FWGBKGmw-015C-0412-G	A7D200101001	8260B	AQ	1.6	2.0	
FWGBKGmw-017C-0414-G	A7D200101013	8260B	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013S	8260B	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013D	8260B	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009	8260B	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009S	8260B	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009D	8260B	AQ	1.7	2.0	
FWGBKGmw-DUP2-0449-	A7D200101005	8260B	AQ	1.7	2.0	
FWGLL12mw-153C-0431-	A7D200101021	8260B	AQ	1.4	2.0	
FWGLL12mw-186C-0434-	A7D200101007	8260B	AQ	1.4	2.0	
FWGTRIP TEAM 10418	A7D200101027	8260B	AQ	1.6	2.0	
FWGTRIP-TEAM 1	A7D200101028	8260B	AQ	1.4	2.0	
FWGTRIP-TEAM 2	A7D200101029	8260B	AQ	1.7	2.0	
FWGBKGmw-004C-0405-G	A7D200101015	8270C	AQ	1.7	2.0	
FWGBKGmw-010C-0409-G	A7D200101019	8270C	AQ	1.4	2.0	
FWGBKGmw-015C-0412-G	A7D200101001	8270C	AQ	1.6	2.0	
FWGBKGmw-017C-0414-G	A7D200101013	8270C	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013S	8270C	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013D	8270C	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009	8270C	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009S	8270C	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009D	8270C	AQ	1.7	2.0	

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
FWGBKGmw-DUP2-0449-	A7D200101005 ✓	8270C	AQ	1.7	2.0	
FWGLL12mw-153C-0431-	A7D200101021 ✓	8270C	AQ	1.4	2.0	
FWGLL12mw-186C-0434-	A7D200101007 ✓	8270C	AQ	1.4	2.0	
FWGBKGmw-004C-0405-G	A7D200101015 ✓	8330	AQ	1.7	2.0	
FWGBKGmw-010C-0409-G	A7D200101019 ✓	8330	AQ	1.4	2.0	
FWGBKGmw-015C-0412-G	A7D200101001 ✓	8330	AQ	1.6	2.0	
FWGBKGmw-017C-0414-G	A7D200101013 ✓	8330	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013S	8330	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013D	8330	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009 ✓	8330	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009S	8330	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009D	8330	AQ	1.7	2.0	
FWGBKGmw-DUP2-0449-	A7D200101005 ✓	8330	AQ	1.7	2.0	
FWGLL12mw-153C-0431-	A7D200101021 ✓	8330	AQ	1.4	2.0	
FWGLL12mw-186C-0434-	A7D200101007 ✓	8330	AQ	1.4	2.0	
FWGBKGmw-004C-0405-G	A7D200101015 ✓	9012A	AQ	1.7	2.0	6.0
FWGBKGmw-010C-0409-G	A7D200101019 ✓	9012A	AQ	1.4	2.0	6.0
FWGBKGmw-015C-0412-G	A7D200101001 ✓	9012A	AQ	1.6	2.0	6.0
FWGBKGmw-017C-0414-G	A7D200101013 ✓	9012A	AQ	1.7	2.0	6.0
FWGBKGmw-017C-0414-G	A7D200101013S	9012A	AQ	1.7	2.0	6.0
FWGBKGmw-017C-0414-G	A7D200101013D	9012A	AQ	1.7	2.0	6.0
FWGBKGmw-021C-0418-G	A7D200101009 ✓	9012A	AQ	1.7	2.0	6.0
FWGBKGmw-DUP2-0449-	A7D200101005 ✓	9012A	AQ	1.7	2.0	6.0
FWGLL12mw-153C-0431-	A7D200101021 ✓	9012A	AQ	1.4	2.0	6.0
FWGLL12mw-186C-0434-	A7D200101007 ✓	9012A	AQ	1.4	2.0	6.0
FWGBKGmw-004C-0405-G	A7D200101015 ✓	SW8330 Modifie	AQ	1.7	2.0	
FWGBKGmw-010C-0409-G	A7D200101019 ✓	SW8330 Modifie	AQ	1.4	2.0	
FWGBKGmw-015C-0412-G	A7D200101001 ✓	SW8330 Modifie	AQ	1.6	2.0	
FWGBKGmw-017C-0414-G	A7D200101013 ✓	SW8330 Modifie	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013S	SW8330 Modifie	AQ	1.7	2.0	
FWGBKGmw-017C-0414-G	A7D200101013D	SW8330 Modifie	AQ	1.7	2.0	

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria Lower Limit	Criteria Upper Limit
FWGBKGmw-021C-0418-G	A7D200101009 ✓	SW8330 Modifie	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009S	SW8330 Modifie	AQ	1.7	2.0	
FWGBKGmw-021C-0418-G	A7D200101009D	SW8330 Modifie	AQ	1.7	2.0	
FWGBKGmw-DUP2-0449-	A7D200101005 ✓	SW8330 Modifie	AQ	1.7	2.0	
FWGLL12mw-153C-0431-	A7D200101021 ✓	SW8330 Modifie	AQ	1.4	2.0	
FWGLL12mw-186C-0434-	A7D200101007 ✓	SW8330 Modifie	AQ	1.4	2.0	

QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D200101 **Lab ID:** STLCAN
Method/Preparation Batch : 7113019 / 7113019 **Analysis Date :** 04/23/2007
Client Sample ID : FWGEQUIPRinse4-0459C-GW **Preparation Date :** 04/23/2007
Lab Sample ID : A7D200101023 **Preparation Type :** 3005A

Analysis Method : 6010B

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	99.5	1000	ug/L	B J	

Calcium contamination found in the equipment blank did not qualify any samples.

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	2.2	5.0	ug/L	B J	

Copper was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-004C-0405-GF	A7D200101016	1	2.7	B J	ug/L
FWGBKGmw-008C-0408-GF	A7D200101018	1	2.3	B J	ug/L
FWGBKGmw-010C-0409-GF	A7D200101020	1	3.6	B J	ug/L
FWGBKGmw-017C-0414-GF	A7D200101014	1	4.5	B J	ug/L
FWGBKGmw-021C-0418-GF	A7D200101010	1	2.8	B J	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101006	1	2.1	B J	ug/L
FWGLL12mw-153C-0431-GF	A7D200101022	1	3.0	B J	ug/L
FWGLL12mw-182C-0432-GF	A7D200101012	1	2.4	B J	ug/L
FWGLL12mw-183C-0433-GF	A7D200101026	1	2.8	B J	ug/L
FWGLL12mw-186C-0434-GF	A7D200101008	1	3.4	B J	ug/L
FWGLL12mw-DUP4-0451-G	A7D200101004	1	2.5	B J	ug/L

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	147	1000	ug/L	B J	

Potassium was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-004C-0405-GF	A7D200101016	1	653	B J	ug/L
FWGBKGmw-008C-0408-GF	A7D200101018	1	480	B J	ug/L
FWGBKGmw-010C-0409-GF	A7D200101020	1	540	B J	ug/L
FWGBKGmw-021C-0418-GF	A7D200101010	1	689	B J	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101006	1	663	B J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	2.3	10.0	ug/L	B J	

QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D200101
Lab ID: STLCAN
Method/Preparation Batch : 7113019 / 7113019
Analysis Date : 04/25/2007
Client Sample ID : FWGEQUIPRinse4-0459C-GW
Preparation Date : 04/23/2007
Lab Sample ID : A7D200101023
Preparation Type : 3005A

Analysis Method : 6020

Zinc was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-004C-0405-GF	A7D200101016	1	5.0	B J	ug/L
FWGBKGmw-008C-0408-GF	A7D200101018	1	3.9	B J	ug/L
FWGBKGmw-021C-0418-GF	A7D200101010	1	6.0	B J	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101006	1	5.4	B J	ug/L
FWGLL12mw-153C-0431-GF	A7D200101022	1	7.9	B J	ug/L
FWGLL12mw-182C-0432-GF	A7D200101012	1	6.1	B J	ug/L
FWGLL12mw-183C-0433-GF	A7D200101026	1	5.0	B J	ug/L
FWGLL12mw-186C-0434-GF	A7D200101008	1	6.0	B J	ug/L
FWGLL12mw-DUP4-0451-G	A7D200101004	1	5.3	B J	ug/L

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.28	2.0	ug/L	J B	Common Contaminant

Upchurch 1/2 MRL, acceptable per LCG NO qual dm 6/14/07

Methylene chloride was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-004C-0405-G	A7D200101015	1	0.29	J B	ug/L
FWGBKGmw-DUP2-0449-G	A7D200101005	1	0.23	J B	ug/L
FWGTRIP-TEAM 1	A7D200101028	1	0.31	J B	ug/L
FWGTRIP-TEAM 2	A7D200101029	1	0.29	J B	ug/L
FWGTRIP-TEAM 3	A7D200101030	1	0.34	J B	ug/L

Toluene	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.42	1.0	ug/L	J	Common Contaminant

Toluene contamination found in the equipment blank did not qualify any samples.

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units
6010B	AQ	Nickel	FWGBKGmw-004	ES/TO	1.9	B	FWGBKGmw-DU	ES/TO	10.0	U	200.0	30	ug/L
6020	AQ	Aluminum		ES/TO	50.0	U		ES/TO	3.7	B	200.0	30	ug/L
	AQ	Iron		ES/TO	53.8			ES/TO	144		91.2	30	ug/L
8270C	AQ	bis(2-Ethylhexyl) phthalate	FWGBKGmw-004	RES	10	U	FWGBKGmw-DU	RES	1.9	J	200.0	30	ug/L
	AQ	Di-n-octyl phthalate		RES	1.2			RES	1.0	U	200.0	30	ug/L
8260B	AQ	Acetone	FWGBKGmw-015	RES	10	U	FWGTRIP TEAM	RES	1.2	J	200.0	30	ug/L
	AQ	Methylene chloride		RES	2.0	U		RES	0.81	J B	200.0	30	ug/L
353.2 Modif	AQ	Nitrocellulose	FWGLL12mw-182	RES	0.15	B	FWGLL12mw-DU	RES	0.50	U	200.0	30	mg/L
8081A	AQ	Methoxychlor		RES	0.10	U		RES	0.024	J	200.0	30	ug/L
8270C	AQ	bis(2-Ethylhexyl) phthalate		RES	1.4	J		RES	10	U	200.0	30	ug/L

Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

Project Number and Name: ***030240.0005 - Ravenna GW***

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGBKGmw-004C-0405-	A7D200101016	6010B	AQ	Copper	B J	2.7	5.0	ug/L
				Manganese	B J	0.89	10.0	ug/L
				Nickel	B	1.9	10.0	ug/L
				Potassium	B J	653	1000	ug/L
		6020		Zinc	B J	5.0	10.0	ug/L
FWGBKGmw-004C-0405-	A7D200101015	8260B		Methylene chloride	J B	0.29	2.0	ug/L
		8270C		Benzoic acid	J	9.5	10	ug/L
		8330		2-Nitrotoluene	J	0.10	0.55	ug/L
FWGBKGmw-008C-0408-	A7D200101018	6010B		Barium	B	5.0	10.0	ug/L
				Copper	B J	2.3	5.0	ug/L
				Manganese	B J	0.27	10.0	ug/L
				Potassium	B J	480	1000	ug/L
		6020		Zinc	B J	3.9	10.0	ug/L
FWGBKGmw-008C-0408-	A7D200101017	8081A		Methoxychlor	J	0.012	0.10	ug/L
FWGBKGmw-010C-0409-	A7D200101020	6010B		Copper	B J	3.6	5.0	ug/L
				Potassium	B J	540	1000	ug/L
		6020		Cadmium	B	0.14	0.50	ug/L
FWGBKGmw-010C-0409-	A7D200101019	8081A		Methoxychlor	J	0.028	0.10	ug/L
FWGBKGmw-015C-0412-	A7D200101002	6010B		Copper	B J	3.2	5.0	ug/L
				Nickel	B	3.5	10.0	ug/L
FWGBKGmw-015C-0412-	A7D200101001	8081A		Methoxychlor	J	0.061	0.10	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J	1.9	10	ug/L
		8330		2-Nitrotoluene	J	0.095	0.50	ug/L
FWGBKGmw-017C-0414-	A7D200101014	6010B		Copper	B J	4.5	5.0	ug/L
				Nickel	B	2.5	10.0	ug/L
		6020		Thallium	B	0.031	1.0	ug/L
FWGBKGmw-017C-0414-	A7D200101013	8270C		Benzoic acid	J	8.9	10	ug/L
		8330		Pentaerythritol Tetranitrate (PETN)	J	0.34	0.70	ug/L
FWGBKGmw-021C-0418-	A7D200101010	6010B		Copper	B J	2.8	5.0	ug/L
				Potassium	B J	689	1000	ug/L
		6020		Zinc	B J	6.0	10.0	ug/L
FWGBKGmw-021C-0418-	A7D200101009	8270C		Benzoic acid	J	8.9	10	ug/L
				bis(2-Ethylhexyl) phthalate	J	1.1	10	ug/L
FWGBKGmw-DUP2-0449-	A7D200101006	6010B		Copper	B J	2.1	5.0	ug/L
				Manganese	B J	0.80	10.0	ug/L
				Potassium	B J	663	1000	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGBKGmw-DUP2-0449-	A7D200101006	6020	AQ	Aluminum	B	3.7	50.0	ug/L
				Zinc	B J	5.4	10.0	ug/L
FWGBKGmw-DUP2-0449-	A7D200101005	8260B		Methylene chloride	J B	0.23	2.0	ug/L
		8270C		Benzoic acid	J	9.1	10	ug/L
				bis(2-Ethylhexyl) phthalate	J	1.9	10	ug/L
		8330		2-Nitrotoluene	J	0.095	0.54	ug/L
FWGEQUIPRinse4-0459C	A7D200101023	6010B		Calcium	B J	99.5	1000	ug/L
				Copper	B J	2.2	5.0	ug/L
				Potassium	B J	147	1000	ug/L
		6020		Zinc	B J	2.3	10.0	ug/L
		8260B		Methylene chloride	J B	0.28	2.0	ug/L
				Toluene	J	0.42	1.0	ug/L
FWGLL12mw-153C-0431-	A7D200101022	6010B		Copper	B J	3.0	5.0	ug/L
				Nickel	B	1.7	10.0	ug/L
		6020		Aluminum	B	13.3	50.0	ug/L
				Zinc	B J	7.9	10.0	ug/L
FWGLL12mw-153C-0431-	A7D200101021	8081A		Methoxychlor	J	0.031	0.10	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J	3.0	10	ug/L
		8330		2-Nitrotoluene	J	0.097	0.48	ug/L
FWGLL12mw-182C-0432-	A7D200101012	6010B		Copper	B J	2.4	5.0	ug/L
		6020		Aluminum	B	14.7	50.0	ug/L
				Zinc	B J	6.1	10.0	ug/L
FWGLL12mw-182C-0432-	A7D200101011	353.2 Modified		Nitrocellulose	B	0.15	0.50	mg/L
		8270C		Benzoic acid	J	8.3	10	ug/L
				bis(2-Ethylhexyl) phthalate	J	1.4	10	ug/L
		8330		2-Nitrotoluene	J	0.10	0.49	ug/L
FWGLL12mw-183C-0433-	A7D200101026	6010B		Copper	B J	2.8	5.0	ug/L
		6020		Aluminum	B	5.3	50.0	ug/L
				Zinc	B J	5.0	10.0	ug/L
FWGLL12mw-183C-0433-	A7D200101025	8081A		Methoxychlor	J	0.012	0.10	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J	1.9	10	ug/L
FWGLL12mw-186C-0434-	A7D200101008	6010B		Cobalt	B	1.3	5.0	ug/L
				Copper	B J	3.4	5.0	ug/L
				Nickel	B	3.8	10.0	ug/L
		6020		Aluminum	B	11.6	50.0	ug/L
				Zinc	B J	6.0	10.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGLL12mw-186C-0434-	A7D200101007	8081A	AQ	Methoxychlor	J	0.090	0.10	ug/L
		8270C		Benzoic acid	J	8.5	10	ug/L
				bis(2-Ethylhexyl) phthalate	J	2.0	10	ug/L
		8330		1,3,5-Trinitrobenzene	J	0.031	0.098	ug/L
				2-Nitrotoluene	J	0.10	0.49	ug/L
FWGLL12mw-DUP4-0451	A7D200101004	6010B		Copper	B J	2.5	5.0	ug/L
		6020		Aluminum	B	11.8	50.0	ug/L
				Zinc	B J	5.3	10.0	ug/L
FWGLL12mw-DUP4-0451	A7D200101003	8081A		Methoxychlor	J	0.024	0.10	ug/L
		8270C		Benzoic acid	J	8.5	10	ug/L
		8330		2-Nitrotoluene	J	0.098	0.50	ug/L
FWGTRIP TEAM 10418	A7D200101027	8260B		Acetone	J	1.2	10	ug/L
				Methylene chloride	J B	0.81	2.0	ug/L
FWGTRIP-TEAM 1	A7D200101028			Methylene chloride	J B	0.31	2.0	ug/L
FWGTRIP-TEAM 2	A7D200101029			Methylene chloride	J B	0.29	2.0	ug/L
FWGTRIP-TEAM 3	A7D200101030			Methylene chloride	J B	0.34	2.0	ug/L

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGBKGmw-004C-0405-	A7D200101015	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.55	0.22	ug/L
				4-Nitrotoluene	U	0.55	0.22	ug/L
FWGBKGmw-008C-0408-	A7D200101017	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGBKGmw-010C-0409-	A7D200101019	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGBKGmw-015C-0412-	A7D200101001	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGBKGmw-017C-0414-	A7D200101013	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2,4-Dinitrotoluene	U	0.11	0.11	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGBKGmw-017C-0414-	A7D200101013	8330	AQ	2,6-Dinitrotoluene	U	0.11	0.11	ug/L
				2-Nitrotoluene	U	0.54	0.21	ug/L
				3-Nitrotoluene	U	0.54	0.21	ug/L
				4-Nitrotoluene	U	0.54	0.21	ug/L
FWGBKGmw-021C-0418-	A7D200101009	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.52	0.21	ug/L
				3-Nitrotoluene	U	0.52	0.21	ug/L
				4-Nitrotoluene	U	0.52	0.21	ug/L
FWGBKGmw-DUP2-0449-	A7D200101005	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2,4-Dinitrotoluene	U	0.11	0.11	ug/L
				2,6-Dinitrotoluene	U	0.11	0.11	ug/L
				3-Nitrotoluene	U	0.54	0.22	ug/L
				4-Nitrotoluene	U	0.54	0.22	ug/L
FWGEQUIPRinse4-0459C	A7D200101023	6010B	AQ	Magnesium	U	1000	100.00	ug/L
				Sodium	U	1000	200.00	ug/L
		8081A		Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGLL12mw-153C-0431-	A7D200101021	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGLL12mw-153C-0431-	A7D200101021	8330	AQ	3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGLL12mw-182C-0432-	A7D200101011	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.49	0.20	ug/L
				4-Nitrotoluene	U	0.49	0.20	ug/L
FWGLL12mw-183C-0433-	A7D200101025	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGLL12mw-186C-0434-	A7D200101007	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.49	0.20	ug/L
				4-Nitrotoluene	U	0.49	0.20	ug/L
FWGLL12mw-DUP4-0451	A7D200101003	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGTRIP TEAM 10418	A7D200101027	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTRIP-TEAM 1	A7D200101028	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D200101 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGTRIP-TEAM 2	A7D200101029	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTRIP-TEAM 3	A7D200101030	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D190102
COC#: 268905, 268910, 268906, 268904, 268908

Date: November 15, 2007
Revision: 2

Data Validator: Heather Medley/Environmental Quality Management, Inc. (EQM, Inc.)

QA/QC Summary

On April 17 and April 18, 2007 the following samples were collected from groundwater-monitoring wells at Ravenna Army Ammunition Plant and analyzed as part of SDG A7D190102.

Field Sample ID	Analytes	Method
FWGLL2mw-059c-0422-GW	VOCs	SW846 8260B
FWGCBPmw-006c-0435-GW	SVOCs	SW846 8270C
FWGTeam1-TRIP0417	Pesticides	SW846 8081A
FWGWBGmw-006c-0438-GW	PCBs	SW846 8082
FWGBKGmw-019c-0416-GW	Explosives	SW846 8330
FWGBKGmw-005c-0406-GW	Nitroguanidine	SW846 8330 modified
FWGEQUIPRinse3-0458-GW	Nitrocellulose	EPA 353.2 modified
FWGTrip-Team1	Cyanide	SW846 9012A
FWGBKGmw-012c-0410-GW		
FWGBKGmw-013c-0411-GW		
FWGWBGmw-007c-0439-GW		
FWGBKGmw-020c-0417-GW		
FWGTrip-Team2		
FWGWBGmw-009c-0440-GW		
FWGWBGmw-DUP3-0451-GW		
FWGBKGmw-018c-0415-GW		
FWGBKGmw-016c-0413-GW		
FWGBKGmw-006c-0407-GW		
FWGTrip-Team3		
FWGLL2mw-059c-0422-GF	TAL23 Metals	SW846 6010B/6020/7470A
FWGCBPmw-006c-0435-GF		
FWGWBGmw-006c-0438-GF		
FWGBKGmw-019c-0416-GF		
FWGBKGmw-005c-0406-GF		
FWGEQUIPRinse3-0458-GW		
FWGBKGmw-013c-0411-GF		
FWGBKGmw-012c-0410-GF		
FWGWBGmw-007c-0439-GF		
FWGBKGmw-020c-0417-GF		
FWGWBGmw-009c-0440-GF		
FWGWBGmw-DUP3-0451-GF		
FWGBKGmw-018c-0415-GF		

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D190102
COC#: 268905, 268910, 268906, 268904, 268908

Date: November 15, 2007
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Field Sample ID	Analytes	Method
FWGBKGmw-016c-0413-GF	TAL23 Metals	SW846 6010B/6020/7470A
FWGBKGmw-006c-0407-GW		

The data presented in this report were evaluated according to the *Final Quality Assurance Project Plan Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant Ravenna, OH, Portage Environmental, September 2004.* The following documents will be used as needed to supplement the project documentation: *Louisville Chemistry Guidelines, USACE, June 2002 version 5, EPA National Functional Guidelines (NFG) for Organic Data Review, EPA-540/R-99-008, October 1999, NFG for Inorganic Data Review, EPA-540/R-04-004, October 2004*, Analytical Methods, and Laboratory Standard Operating Procedures. These objectives represent accuracy and precision performance goals for each analytical method.

In addition to the samples, four trip blanks, one equipment rinse sample, and one field duplicate were collected and analyzed. The coolers were received within acceptable criteria of 0-6°C. Overall, data were acceptable based on the review. Any limitations on the data use are indicated by qualifiers. The completeness objective for the project was 90%. The completeness objective was met for this SDG, 96.5%. Limitations, if any, on the data are indicated with qualifiers detailed below.

SUMMARY OF QUALIFICATIONS AND QC OUTLIERS:

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-005c-0406-GF	6010B	Copper	2.8	J	Results were between the MDL and RL.
		Manganese	2.2	J	
		Potassium	399	J	
		Nickel	1.5	J	
	6020	Aluminum	4.9	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	5.0	B	Result was less than the 5x MB value;
FWGBKGmw-005c-0406-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8081A	All analytes	Various	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D190102
COC#: 268905, 268910, 268906, 268904, 268908

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-005c-0406-GW	8260B	1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGBKGmw-006c-0407-GF	6010B	Copper	2.1	J	Results were between the MDL and RL.
		Nickel	3.8	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	3.9	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGBKGmw-006c-0407-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8081A	All analytes	Various	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D190102
COC#: 268905, 268910, 268906, 268904, 268908

Date: November 15, 2007
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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-006c-0407-GW	8260B	Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	8270C	All analytes	Various	UJ	Surrogates recovered below control limits
	9012A	Cyanide	0.010 mg/L	R	MS and MSD recovered below control limits
FWGBKGmw-012c-0410-GF	6010B	Copper	2.1	J	Results were between the MDL and RL.
	6020	Aluminum	8.1	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	11.7	B	Result was less than the 5x MB value;
FWGBKGmw-012c-0410-GW	8330	2-Nitrotoluene	0.098	J	Results were between the MDL and RL.
		HMX	0.073	J	
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8081A	All analytes	Various	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Benzene	0.81	J	Result was between the MDL and RL.

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-012c-0410-GW	8260B	Methylene Chloride	0.26	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGBKGmw-013c-0411-GF	6010B	Copper	2.2	J	Result was between the MDL and RL.
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	7.5	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGBKGmw-013c-0411-GW	8330	2-Nitrotoluene	0.098	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D190102
COC#: 268905, 268910, 268906, 268904, 268908

Date: November 15, 2007
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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-013c-0411-GW	8260B	1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Methylene Chloride	0.24	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
	8270C	All analytes	Various	UJ	Surrogates recovered below control limits
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGBKGmw-016c-0413-GF	6010B	Copper	2.6	J	Results were between the MDL and RL.
		Manganese	5.0	J	
		Nickel	2.6	J	
		Potassium	509	J	
	6020	Aluminum	25.5	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	6.1	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGBKGmw-016c-0413-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	

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Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D190102
COC#: 268905, 268910, 268906, 268904, 268908

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-016c-0413-GW	8260B	Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGBKGmw-018c-0415-GF	6010B	Copper	2.8	J	Result was between the MDL and RL.
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	6.2	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGBKGmw-018c-0415-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8081A	Methoxychlor	0.016	J	Result was between the MDL and RL; CCV was above control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits

Data Verification Summary

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Sampling Event: April 2007
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Date: November 15, 2007
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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-018c-0415-GW	8260B	2-Butanone	0.51	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGBKGmw-019c-0416-GF	6010B	Copper	3.3	J	Results were between the MDL and RL.
		Nickel	4.0	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	6.5	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGBKGmw-019c-0416-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8081A	All analytes	Various	UJ	Surrogate recovered below control limits
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-019c-0416-GW	8270C	2,4-Dinitrophenol	5.0	UJ	Surrogates recovered below control limits
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGBKGmw-020c-0417-GF	6010B	Copper	2.4	J	Results were between the MDL and RL.
		Nickel	2.3	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	10.9	B	Result was less than the 5x MB value;
FWGBKGmw-020c-0417-GW	8330	2-Nitrotoluene	0.095	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8081A	Beta-BHC	0.0081	J	Result was between the MDL and RL
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-020c-0417-GW	8260B	Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGCBPmw-006c-0435-GF	6010B	Copper	2.4	J	Results were between the MDL and RL.
		Nickel	3.2	J	
	6020	Aluminum	25.2	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	10.7	B	Result was less than the 5x MB and equipment rinse values;
FWGCBPmw-006c-0435-GW	8330	2-Nitrotoluene	0.090	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits
	8081A	All analytes	Various	UJ	Surrogate recovered below control limits
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGCBPmw-006c-0435-GW	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	8270C	All analyes	Various	UJ	Surrogates recovered below control limits
	9012A	Cyanide	0.011 mg/L	J	MRL check recovered below 65%; MS and MSD recovered below control limits
FWGEQUIPRinse3-0458-GW	8330	PETN	0.43	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits; Result was between the MDL and RL
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGEQUIPRinse3-0458-GW	8260B	Acetone	4.2	J	Results were between the MDL and RL.
		2-butanone	5.3	J	
		Methylene Chloride	1.1	J	
		Toluene	0.53	J	
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
	6010B	Copper	2.1	J	Results were between the MDL and RL.
		Potassium	143	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	4.9	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGLL2mw-059c-0422-GF	6010B	Copper	3.1	J	Results were between the MDL and RL.
		Manganese	9.5	J	
		Nickel	3.7	J	
		Potassium	589	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	6.6	BJ	B = Result was less than the 5x MB and equipment rinse values; J = Result was between the MDL and RL.
FWGLL2mw-059c-0422-GW	8330	HMX	0.038	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits;
	8081A	Alpha-Chlordane	0.027	J	Results were between the MDL and RL.
		Methoxychlor	0.025	J	
		Beta-BHC	0.0094	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL2mw-059c-0422-GW	8260B	1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	9012A	Cyanide	0.010 mg/L	R	MRL check recovered below 65%
FWGTeam1-Trip0417	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Methylene Chloride	0.33	J	Result was between the MDL and RL
FWGTrip-Team1	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGTrip-Team1	8260B	Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Acetone	1.1	J	Result was between the MDL and RL
		Methylene Chloride	0.33	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
FWGTrip-Team2	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Acetone	1.1	J	Result was between the MDL and RL
		Methylene Chloride	0.31	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
FWGTrip-Team3	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGTrip-Team3	8260B	Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Acetone	1.2	J	Result was between the MDL and RL
		Methylene Chloride	0.34	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
FWGWBGmw-006c-0438-GF	6010B	Copper	2.2	J	Results were between the MDL and RL.
		Potassium	784	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	5.1	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGWBGmw-006c-0438-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits;
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS, MS/MSD recoveries were below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	MRL checks recovered below control limits; MS/MSD recoveries were below control limits
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%; MS/MSD recoveries were below control limits
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS, MS/MSD recoveries were below control limits

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGWBGmw-006c-0438-GW	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	Surrogates recovered below control limits; MS/MSD recoveries were below control limits
		4,6-dinitro-2-methylphenol	5.0	UJ	
	9012A	Cyanide	0.009 mg/L	J	MS and MSD recovered below control limits; Result was between the MDL and RL.
FWGWBGmw-007c-0439-GF	6010B	Copper	2.0	J	Result was between the MDL and RL.
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	6.0	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGWBGmw-007c-0439-GW	8330	2-Nitrotoluene	0.091	J	Result was between the MDL and RL
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits;

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGWBGmw-007c-0439-GW	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Methylene Chloride	0.26	BJ	B = Result was less than the 5x Equipment rinse value; J = Result was between the MDL and RL.
	8270C	All analyes	Various	UJ	Surrogates recovered below control limits
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGWBGmw-009c-0440-GF	6010B	Barium	9.7	J	Results were between the MDL and RL.
		Copper	2.1	J	
		Potassium	475	J	
	6020	Aluminum	2.9	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	5.4	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGWBGmw-009c-0440-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits;
	8081A	Beta-BHC	0.0087	J	Field duplicate RPD was above control limits; Result was between the MDL and RL.

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGWBGmw-009c-0440-GW	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits
FWGWBGmw-DUP3-0451-GF	6010B	Barium	9.4	J	Results were between the MDL and RL.
		Copper	2.3	J	
		Potassium	470	J	
		Nickel	1.8	J	Field duplicate RPD was above control limits; Result was between the MDL and RL.
	6020	Aluminum	3.5	J	Result was between the MDL and RL.
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Thallium	1.0	UJ	
		Zinc	4.6	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGWBGmw-DUP3-0451-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits; MS/MSD RPD was above control limits;
	8260B	1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	

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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGWBGmw-DUP3-0451-GW	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Carbon Tetrachloride	1.0	R	
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
	9012A	Cyanide	0.010 mg/L	UJ	MS and MSD recovered below control limits

J = Analyte concentration was considered an estimated value.
MDL = Method Detection Limit
RL = reporting limit
MB = Method Blank
MRL = Method Reporting Limit
MS/MSD = Matrix Spike/Matrix Spike Duplicate
CCV = Continuing calibration Verification
%R = percent recovery
RPD = Relative Percent Difference
U = Analyte was not detected.
R = non-usable
CCB = Continuing calibration blank
ER = Equipment Rinse
B = Blank contamination
LCS = Laboratory Control Sample
ICV = Initial Calibration Verification
%D = percent difference
UJ = Analyte was not detected above the MDL, but the MDL was considered estimated.
BJ = Analyte was considered not detected above the MDL due to blank contamination, but the concentration was considered estimated.

Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.

FWGEQUIPRinse3-0458-GW was collected on 4/18/07 and analyzed in this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross-applied to the samples collected on 4/17.

VOAs - 8260B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Tuning criteria
- Initial Calibration Criteria including SPCC and CCC compounds
- Internal standard area counts and retention times
- Surrogate recoveries
- Field duplicate RPD criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

MRL/QC checks:

- Opening MRL: Bromomethane %R = 131.45%, Methylene Chloride %R = 137.58%, Carbon Tetrachloride %R = 63.63%, cis-1,3-Dichloropropene %R = 63.4%, trans-1,3-Dichloropropene %R = 53.9%, Dibromochloromethane %R = 65.8%, and Bromoform %R = 68.2%.
- Closing MRL: Carbon Tetrachloride %R = 51.5%, Bromodichloromethane %R = 61.1%, cis-1,3-dichloropropene %R = 56.1%, trans-1,3-dichloropropene %R = 46.2%, Dibromochloromethane %R = 56.6%, 1,2-Dibromomethane %R = 69.6%, and Bromoform %R = 44.9%.
- There were no detected results for Bromomethane; therefore no qualifications were made.
- Samples FWGBKGmw-012c-0410-GW, FWGWBGmw-007c-0439-GW, FWGBKGmw-013c-0411-GW, FWGEQUIPRinse3-0458-GW, FWGTeam1-Trip0417, FWGTRIP-TEAM1, FWGTRIP-TEAM2, and FWGTRIP-TEAM3 Methylene Chloride results were qualified "J".
- Carbon Tetrachloride, cis-1,3-Dichloropropene, dibromochloromethane, and bromoform: all results were non-detect and were qualified "R" based on the ending MRL.
- All Bromodichloromethane and 1,2-Dibromomethane results were qualified "J/UJ".
- Trans-1,3-Dichloropropene: all results were non-detect and were qualified "R".

Bromomethane ICV %R was 77.3%; all results were qualified "J/UJ"

Acetone CCV %D was -20.94%. Carbon Tetrachloride CCV %D was 21.8%. cis-1,3-Dichloropropene CCV %D was 31.2%. Trans-1,3-Dichloropropene CCV %D was 34.1%. No qualifications were made since the average %D was 9.55 and there were no detected results for cis-1,3-Dichloropropene and trans-1,3-Dichloropropene.

FWGEQUIPRinse3-0458-GW detected Methylene Chloride at 1.1 ug/L, acetone at 4.2 ug/L, 2-butanone at 5.3 ug/L, and Toluene at 0.53 ugL. There were no qualifications made for acetone because the contamination was less than ½ the MRL (10 ppb). Methylene chloride was qualified "U" in samples FWGBKGmw-012c-0410-GW, FWGBKGmw-013c-0411-GW, FWGTRIP-Team1, FWGTRIP-Team2, FWGTRIP-Team3, and FWGWBGmw-007c-0439-GW. 2-Butanone was qualified "U" in sample FWGBKGmw-018c-0415-GW. There were no detected results for Toluene; therefore no qualifications were made.

FWGEQUIPRinse2-04587-GW detected Methylene Chloride at 0.26 ug/L and Toluene at 0.64 ugL. There were no qualifications made for methylene chloride because the contamination was

less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made.

FWGTeam1-trip0417 detected Methylene Chloride at 0.33 ppb. No qualifications were made based on this trip blank since the result was less than ½ the MRL (2.0ppb).

FWGTRIP-TEAM1 detected Methylene chloride at 0.36 and acetone at 1.1 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).

FWGTRIP-TEAM2 detected Methylene chloride at 0.31 and acetone at 1.1 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).

FWGTRIP-TEAM3 detected Methylene chloride at 0.34 and acetone at 1.2 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).

Cis-1,3-dichloropropene and trans-1,3-dichloropropene recovered below control limits in the LCS and LCSD. All results were qualified "UJ".

Sample FWGWBGmw-006c-0438-GW was the parent. Bromodichloromethane, bromoform, carbon tetrachloride, cis-1,3-dichloropropene, dibromochloromethane, and trans-1,3-dichloropropene recovered below control limits in the MS and MSD. All results were qualified "J/UJ" in the parent sample.

SVOCs- 8270C

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Tuning criteria
- Initial Calibration criteria including CCC and SPCC compounds
- ICV and CCV criteria
- Internal standard area counts and retention times
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD values criteria
- Field duplicate RPD criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

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The Method blank and LCS were extracted with samples and analyzed on 4/27, but had to be re-analyzed on 4/30. The results were reported from 4/30 and were within recovery limits. The samples were re-analyzed due to internal standard failures in the first analysis. No qualifications were made since the samples were extracted with the field samples and the recoveries were within limits.

Sample FWGWBGmw-006c-0438-GW was the parent. 2,4-Dimethylphenol, 3,3'-dichlorobenzidine, 4,6-dinitro-2-methylphenol, 4-Chloroaniline, and hexachlorocyclopentadiene recovered below control limits in the MS and MSD. Hexachlorobutadiene and Hexachloroethane also recovered below control limits in the MSD. 2,4-Dimethylphenol, and were qualified "J/UJ" in the parent sample. 3,3'-dichlorobenzidine, 4-Chloroaniline, Hexachlorobutadiene, Hexachloroethane, and hexachlorocyclopentadiene had no other QC outliers; therefore no qualifications were made.

Sample FWGBKGmw-006c-0407-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. All associated results were qualified "J/UJ".

Sample FWGBKGmw-012c-00410-GW had surrogates 2-fluorophenol and phenol-d5 recover below control limits. All associated results were qualified "J/UJ".

Sample FWGBKGmw-013c-0411-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. All associated results were qualified "J/UJ".

Sample FWGBKGmw-019c-0416-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, and phenol-d5 recover below control limits. All associated results were qualified "J/UJ".

Sample FWGBKGmw-020c-0417-GW had surrogates 2-fluorophenol and phenol-d5 recover below control limits. All associated results were qualified "J/UJ".

Sample FWGCBPmw-006c-0435-GW had surrogates 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. All associated results were qualified "J/UJ".

Sample FWGWBGmw-006c-0438-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, and phenol-d5 recover below control limits. All associated results were qualified "J/UJ".

Sample FWGWBGmw-007c-0439-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. All associated results were qualified "J/UJ".

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Pesticides- 8081

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- DDT and Endrin breakdown criteria
- Retention time criteria
- The method blank was free from contamination
- MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD values criteria
- MS/MSD percent recoveries and RPD values criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Instrument A2HP9 MRL check on 4/24/07 @ 1045 had Heptachlor epoxide %R at 155%. There were no detected results; therefore no qualifications were made.

Instrument A2HP3 ICV from 4/27/07 had delta-BHC %R at 155.8%, Aldrin %R at 116.4%, Heptachlor epoxide %R at 115.3%, 4,4-DDE' %R at 117.9%, Dieldrin %R at 117.6%, and Endrin %R at 115.2%. No qualifications were made since there were no detections.

CCVs

- A2HP9 – 4/24 @ 0403 – gamma-BHC (17.3%), heptachlor (22.5%), 4,4'-DDD (20.8%), Endrin aldehyde (17.0%), methoxychlor (18.3%), and endrin ketone (19.3%) recovered greater than 15% D. The average %D was 13.08%; no qualifications were made.
- A2HP9 - 4/24 @ 1022 front – gamma chlordane (47.1%) and 4,4'-DDD (17.3%) recovered greater than 15%D. The average %D was 8.4%; no qualifications were made for 4,4'-DDD. There were no qualifications made for gamma-chlordane since there were no detected results.
- A2HP9 - 4/24 @ 1022 back – Heptachlor epoxide (25.3%) recovered greater than 15%D. The average %D was 3.7%; no qualifications were made.
- A2HP9 - 4/24 @ 1451 front – all analytes recovered greater than 15%D. Heptachlor, 4,4'-DDT, Endrin aldehyde, Methoxychlor, and Endrin ketone were greater than 30%D. The average %D was greater than 20%. Only methoxychlor was detected in sample FWGBKGmw-018c-0415-GW. The result was qualified "J". There were no qualifications made for the other methoxychlor results or other analytes since there were no detected results.
- A2HP9 – 4/24 @ 1451 back– all analytes recovered greater than 15%D. The average %D was 19.1%. There were no qualifications made since there were no detected results.

- A2HP9 – 4/23 @ 1117 back column – 4 of the individual peaks %D were greater than 15%. The average %D across all 5 peaks was 16.4%. All results were non-detect; therefore no qualifications were made.

FWGEQUIPRinse2-0457-GW had beta-BHC detected at 0.067; RL is 0.030 ppb. Samples FWGLL2mw-059c-0422-GW was qualified "B".

Surrogate DCB recovered below the control limit in samples FWGBKGmw-005c-0406-GW, FWGBKGmw-006c-0407-GW, FWGBKGmw-012c-0410-GW, FWGBKGmw-019c-0416-GW, and FWGCBPmw-006c-0435-GW. All associated results were qualified "J/UJ".

Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW. Beta-BHC had a RPD of 200%. The parent sample was detected and qualified "J".

PCBs- 8082

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- Retention time criteria
- CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- Field Duplicate RPD criteria
- MS/MSD percent recoveries and RPD values criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Aroclor-1016 ICV peak average was 15.8%. There were no detected results; therefore no qualifications were made,

Surrogate DCB recovered below control limits in samples FWGBKGmw-019c-0416-GW and FWGCBPmw-006c-0435-GW. All associated results were qualified "J/UJ"

Explosives- 8330

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration Criteria
- Retention time criteria

- MDL and MRL level verification criteria
- ICV and CCV criteria
- The method blank was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation
- Surrogate recoveries

Nitroglycerin and PETN were not spiked into the MRL checks during analysis since the analytes were added to the target compound list after analysis. No qualifications were made since an evaluation could not be made

FWGEQUIPRinse3-0458-GW (4/18/07) PETN was detected in the equipment rinse at 0.43 ug/L. There were no detected results; therefore no qualifications were made.

Nitroguanidine- 8330M

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- Retention time criteria
- MRL level verification criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Metals - 6010B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Serial Dilution criteria

- MS/MSD percent recoveries and RPD values criteria
- Post Digestion spike criteria
- MDL and MRL Level Verification criteria
- Field Duplicate RPD criteria

Blanks:

- ICB:
  - Potassium was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.
- CCB:
  - Potassium CCBs were detected between 149 and 165 ppb; RL is 1000 ppb. CCB7 had Cobalt detected at 1.4; RL is 5.0; Nickel at 1.7; RL is 10; Silver at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made.
  - Selenium CCB4 was detected at -3.7, RL is 5.0. All selenium results were non-detect; therefore no qualifications were made.
  - Sodium CCB2 was detected at -650; RL is 1000. All associated sodium results were greater than 5x the absolute blank value; therefore no qualifications were made.
- Method Blank:
  - Potassium was detected at 145 ppb; RL is 1000ppb. There were no qualifications made for potassium since the MB value was less than ½ the MRL.
- Equipment Rinse:
  - FWGEQUIPRinse3-0458-GW: Copper was detected at 2.1; RL is 5.0 ppb. Potassium was detected at 143; RL is 1000 ppb. All contamination less than ½ MRL; therefore no qualifications were made.
  - FWGEQUIPRinse2-0457-GW: Calcium was detected at 95; RL is 1000ppb. Copper was detected at 1.9; RL is 5.0 ppb. Potassium was detected at 148; RL is 1000ppb. Zinc was detected at 5.1; RL is 10 ppb. Calcium, Copper, and Potassium result were less than ½ the MRL; therefore no qualifications were made. Zinc was qualified "B" in samples FWGLL2mw-059c-0422-GF and FWGCBPmw-006c-0435-GF.

Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW. Nickel RPD was 200%. The field duplicate result was qualified "J".

Metals - 6020

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Internal standard and tune criteria
- Initial Calibration criteria

- ICV and CCV criteria
- MDL Level Verification criteria
- ICBs and CCBs were free from contamination
- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS percent recoveries criteria
- Post Digestion Spike criteria
- Serial Dilution criteria

The closing MRL check had antimony and thallium recover below control limits. All results were qualified "J/UJ".

Zinc was detected in the method blank at 5.1ppb; RL is 10 ppb. All zinc results were qualified "B".

Zinc was detected in the equipment rinse (FWGEQUIPRinse3-0458-GW) at 4.9 ppb; RL is 10 ppb. All contamination less than ½ MRL; therefore no qualifications were made.

Zinc was detected in the equipment rinse (FWGEQUIPRinse2-0457-GW) at 5.1; RL is 10 ppb. Zinc was qualified "B" in samples FWGLL2mw-059c-0422-GF and FWGCBPmw-006c-0435-GF.

Mercury - 7470A

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- ICB and CCBs were free from contamination
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MDL and MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria

There were no QC exceptions noted.

Nitrocellulose - 353.2

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Sample preparation criteria

- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- ICB and CCBs were free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- Field duplicate RPD criteria
- Nitrocellulose assay criteria

Nitrocellulose was detected in the equipment rinse (FWGEQUIPRinse3-0458-GW) at 0.22 ug/L. There were no detected results therefore on qualifications were made.

Samples FWGWBGmw-006C-0438-GW was the parent sample. The MSD recovered below control limits. The MS/MSD RPD was above control limits. All associated results were qualified "J/UJ".

Cyanide- 9012

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- Field duplicate RPD criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

The MRL check for 4/24/07 recovered at 40%. Sample FWGLL12mw-059c-0422-GW was non-detect and qualified "R". Sample FWGCBPmw-006c-0435-GW was detected and qualified "J".

Sample FWGWBGmw-006C-0438-GW was the parent sample. The MS and MSD recovered below control limits. All results were qualified "J/UJ".

Data Validator: Heather McCluy
Date: 11/15/07

Senior Data Validator: Jackie Doan
Date: Nov 16, 07

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268905, 268910, 268906, 268904, 268908	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.2 and 3.6°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/17 and 4/18/07 and analyzed on 4/25/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3.3
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-3
7. Was the GC/MS system tuned with bromofluorobenzene (BFB)?	✓				LCG Table 1
8. Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	✓			4/13/07 @ 1424, 4/25/07 @ 0748	SW846 8260B 7.3.1
9. Did the initial calibration curve consist of 5 concentration levels?	✓			4/13/07 Instrument A3UX11 stds – 5, 10, 25, 50, 100, 200 ng on column	LCG Table 1 R
10. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviations (%RSD) ≤ 30%?	✓				LCG Table 1 R
11. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓				LCG Table 1
12. Were all other target analytes ≤ 15% RSD? OR Was the average RSD ≤ 15%? Was a different calibration option used?	✓			Acetone used a weighted linear curve.	LCG Table 1 15% <RSD< 20% = J/UJ
13. If a linear regression curve was used, was the correlation coefficient r≥0.99?	✓			All correlation coefficients were ≥0.99. No qualifications were made since the correlation coefficients were acceptable.	LCG Table 1 R<0.99=-J/R
14. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 1 R
15. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours?	✓			4/25/07 @ 1012 and 1852	LCG Table 1

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
16. Were the QC/MRL recoveries 70-130%?		✓		Opening MRL: Bromomethane %R = 131.45%, Methylene Chloride %R = 137.58%, Carbon Tetrachloride %R = 63.63%, cis-1,3-Dichloropropene %R = 63.4%, trans-1,3-Dichloropropene %R = 53.9%, Dibromochloromethane %R = 65.8%, and Bromoform %R = 68.2%. The closing MRL had Carbon Tetrachloride %R = 51.5%, Bromodichloromethane %R = 61.1%, cis-1,3-dichloropropene %R = 56.1%, trans-1,3-dichloropropene %R = 46.2%, Dibromochloromethane %R = 56.6%, 1,2-Dibromomethane %R = 69.6%, and Bromoform %R = 44.9%. There were no detected results for Bromomethane; therefore no qualifications were made. Samples FWGBKGmw-012c-0410-GW, FWGWBGmw-007c-0439-GW, FWGBKGmw-013c-0411-GW, FWGEQUIPRinse3-0458-GW, FWGTeam1-Trip0417, FWGTRIP-TEAM1, FWGTRIP-TEAM2, and FWGTRIP-TEAM3 Methylene Chloride results were qualified "J". Carbon Tetrachloride, cis-1,3-Dichloropropene, dibromochloromethane, and bromoform: all results were non-detect and were qualified "R" based on the ending MRL. Trans-1,3-Dichloropropene: all results were non-detect and were qualified "R". All Bromodichloromethane and 1,2-Dibromomethane results were qualified "J/UJ".	LCG Table 1 >130%=J; 70-60%=J/UJ; <60%=J/R
17. Was a second source verification (ICV) analyzed after the ICAL? Were results 80-120%?		✓		4/13/07 @ 1730; Bromomethane %R = 77.3%; all results were qualified "J/UJ"	LCG Table 1 >120%=J; 60-80%=J/UJ; <60%=J/R
18. Was a CCV run every 12 hours?	✓			4/25/07 @ 0819	LCG Table 1
19. Did the CCCs have a %Difference < 20%?	✓				LCG Table 1
20. Were the minimum RFs for the SPCCs within limits?	✓				LCG Table 1

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
21. Was the average of all target analytes ≤ 20%D with a maximum D for each target analyte ≤30%?		✓		Acetone %D =-20.94%, Carbon Tetrachloride %D = 21.8%, cis-1,3-Dichloropropene %D = 31.2%, trans-1,3-Dichloropropene %D = 34.11%; No qualifications were made since the average %D = 9.55 and there were no detected results for cis and trans-1,3-Dichloropropene.	LCG Table 1 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J
22. Were the internal standards added to every sample?	✓				LCG Table 1
23. Were the retention times for all IS compounds within ±30 seconds from the RT of the mid-point standard in the ICAL?	✓				LCG Table 1 R
24. Was the EICP area between -50% and +100% of the ICAL mid-point standard?	✓				LCG Table 1 R
25. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 1
26. Were target analytes detected in the method blank at >1/2 the MRL?		✓		Methylene Chloride was detected at 0.53; the RL was 2.0. No qualifications were made since the contamination was less than ½ the RL.	LCG Table 1 <5/10X =B
27. Was a field blank (equipment and/or trip) collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and 4 trip blanks. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
28. Were target analytes detected in the field blank analyses >1/2 the MRL?	✓			FWGEQUIPRinse3-0458-GW detected Methylene Chloride at 1.1 ug/L, acetone at 4.2 ug/L, 2-butanone at 5.3 ug/L, and Toluene at 0.53 ugL. There were no qualifications made for acetone because the contamination was less than ½ the MRL (10 ppb). Methylene chloride was qualified "U" in samples FWGBKGmw-012c-0410-GW, FWGBKGmw-013c-0411-GW, FWGTRIP-Team1, FWGTRIP-Team2, FWGTRIP-Team3, and FWGWBGmw-007c-0439-GW. 2-Butanone was qualified "B" in sample FWGBKGmw-018c-0415-GW. There were no detected results for Toluene; therefore no qualifications were made. FWGEQUIPRinse2-04587-GW detected Methylene Chloride at 0.26 ug/L and Toluene at 0.64 ugL. There were no qualifications made for methylene chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made. FWGTeam1-trip0417 detected Methylene Chloride at 0.33 ppb. No qualifications were made based on this trip blank since the result was less	<5/10X =B

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
				than ½ the MRL (2.0ppb). FWGTRIP-TEAM1 detected Methylene chloride at 0.36 and acetone at 1.1 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb). FWGTRIP-TEAM2 detected Methylene chloride at 0.31 and acetone at 1.1 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb). FWGTRIP-TEAM3 detected Methylene chloride at 0.34 and acetone at 1.2 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).	
29. Was a field duplicate analyzed? Were the RPDs within ±30%?	✓			*Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.*	QAPP Table 3-2 RPD >30=J
30. Was a LCS prepared and analyzed with each batch?	✓			*An LCSD was analyzed and reported*	LCG Table 1
31. Were the LCS recoveries within limits specified in Appendix C of the LCG?		✓		*Cis-1,3-dichloropropene and trans-1,3-dichloropropene recovered below control limits in the LCS and LCSD. All results were qualified "UJ"*	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
32. Was a MS/MSD prepared with each batch?	✓				LCG Table 1
33. Was the MS/MSD parent sample a Ravenna sample?	✓			*Sample FWGWBGmw-006c-0438-GW was the parent.*	
34. Were MS/MSD recoveries 70-130% and RPD values ≤20%?		✓		*Bromodichloromethane, bromoform, carbon tetrachloride, cis-1,3-dichloropropene, dibromochloromethane, and trans-1,3-dichloropropene recovered below control limits in the MS and MSD. All results were qualified "J/UJ" in the parent sample.*	LCG Table 1 Pj
35. Were surrogate recoveries 50-150%?	✓				LCG Table 1 >150%=J; 10% -50%=J/UJ; <10%=J/R
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes,		✓			

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
summarize contents.					
38. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on the*	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 1 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Table1- CCCs

Analyte
1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

Table 2- SPCCs

Analyte	Minimum RF
Chloromethane	0.10
1,1-Dichlorethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268905, 268910, 268906, 268904, 268908*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.2 and 3.6°C*	QAPP Table 4-2
3. Were samples extracted using the correct preparation, clean-up methods?	✓				QAPP Table 4-2
4. Were samples extracted within required holding times (7 days - water)?	✓			*Samples collected 4/17 and 4/18/07; extracted on 4/21/07.*	QAPP Table 4-2 J/UJ/R
5. Were samples analyzed within required holding times (40 days after extraction)?	✓			*Samples analyzed on 4/27/07.*	QAPP Table 4-2 J/UJ/R
6. Were sample storage requirements met?	✓				QAPP Table 4-2
7. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-4 and 3-6
8. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-4 and 3-6
9. Was the GC/MS system tuned with decafluorotriphenylphosphine (DFTPP)?	✓				LCG Table 2
10. Were the criteria met during each 12 hour shift?	✓			*4/26/07 @ 1454, 4/27/07 @ 1031, 4/30/07 @ 1108*	LCG Table 2
11. Did the initial calibration curve consist of 5 concentration levels, with the low standard near but above the MDL?	✓			*Instrument A4HP8, ICAL 4/26/07* *stds = 0.05, 0.25, 0.50, 1.0, 2.5, 5.0, 7.5, 10.0, 12.5 ng on column*	LCG Table 2 R
12. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviation (%RSD) ≤ 30%?	✓				LCG Table 2 R
13. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓			*2,4-Dinitrophenol and 4-Nitrophenol used quadratic curves.*	LCG Table 2 R
14. Was each target analyte <15 % RSD, or was the average RSD <15%? If a different calibration option was used, were the r^2's ≥0.99?	✓			*Benzoic acid, 2,4,5-Trichlorophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 4-Nitrophenol, 2,4-Dinitrotoluene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, Pentachlorophenol, Di-n-octylphthalate used quadratic curves. All r^2's were greater than 0.99. No qualifications made since the coefficient of determinations were within criteria.*	LCG Table 2 r<0.99=-J/R 15% <RSD< 30% = J/UJ

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 2 R
16. Was a MRL Level Verification run at the beginning and end of the sequence or every 12 hours? Were results 70-130%?	✓			4/27/07 @ 1109 and 2120; 4/30/07 @ 1145 and 1318	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
17. Was a second source (ICV) verification analyzed after the ICAL? Were results 70-130%?	✓			4/26/07 @ 1807	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
18. Was a CCV analyzed every 12 hours?	✓			4/27/07 @ 1050, 4/30/07 @ 1126	LCG Table 2
19. Was the percent difference (% D) for the CCCs ≤ 20%? (see Table 1) (% drift if regression fit model used)	✓				LCG Table 2
20. Were the minimum RFs for the SPCCs met? (see Table 2)	✓				LCG Table 2
21. Was the %Difference or %Drift ≤20% for all target analytes? OR was the average %D ≤20% with no individual analyte ≥30%D?	✓				LCG Table 2 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J
22. Were the internal standards added to every sample?	✓				LCG Table 2
23. Did the retention times for all IS compounds vary by no more than 30 seconds from the RT of the mid-point ICAL std?	✓				LCG Table 2 R
24. Did the areas of all IS compounds vary by no more than -50% to +100% from the ICAL EICP area?		✓		Perylene-d12 was below LL in ICAL std 7. No qualifications were made since all other ICAL std IS areas were within criteria.	LCG Table 2 R
25. Was a method blank prepared and analyzed with each batch?	✓			Was extracted with samples and analyzed on 4/27, but had to be re-analyzed on 4/30. The results were reported from 4/30.	LCG Table 2

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
25. Were all target analytes in the method blank <1/2 the MRL?	✓				LCG Table 2 <5/10x blank = B
26. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
27. Were all target analytes in the field blank analysis <1/2 the MRL?	✓				<5/10x blank = B
28. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.	QAPP Table 3-2 RPD >30=J
29. Was an LCS prepared and analyzed with each batch?	✓			Was extracted with samples and analyzed on 4/27, but had to be re-analyzed on 4/30. The results were reported from 4/30.	LCG Table 2
30. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
31. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 2
32. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGWBGmw-006c-0438-GW was the parent.	
33. Were MS/MSD recoveries 45-135% and RPD value ≤40%?		✓		2,4-Dimethylphenol, 3,3'-dichlorobenzidine, 4,6-dinitro-2-methylphenol, 4-Chloroaniline, and hexachlorocyclopentadiene recovered below control limits in the MS and MSD. Hexachlorobutadiene and Hexachloroethane also recovered below control limits in the MSD. The results were qualified "J/UJ" in the parent sample.	LCG Table 2 Pj
34. Were surrogates spiked into all calibration standards, blanks, QC samples as well as field samples?	✓				
35. Were surrogate recoveries within 50-150%?		✓		Sample FWGBKGmw-006c-0407-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. Sample FWGBKGmw-012c-00410-GW had surrogates 2-fluorophenol and nitrobenzene-d5 recover below control limits. Sample FWGBKGmw-013c-0411-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. Sample FWGBKGmw-019c-0416-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, and phenol-d5 recover below control limits. Sample FWGBKGmw-020c-0417-GW had surrogates 2-fluorophenol and	LCG Table 2 >150%=J; 10% -50%=J/UJ; <10%=J/R

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
				phenol-d5 recover below control limits. Sample FWGCBPmw-006c-0435-GW had surrogates 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. Sample FWGWBGmw-006c-0438-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, and phenol-d5 recover below control limits. Sample FWGWBGmw-007c-0439-GW had surrogates 2,4,6-Tribromophenol, 2-fluorophenol, phenol-d5, 2-fluorobiphenyl, and nitrobenzene-d5 recover below control limits. All associated results were qualified "J/UJ".	
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
38. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 2 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Table 1: CCCs

Base / Neutral Compunds	Acid Compounds
Acenaphthalene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
N-Nitrosodiphehylamine	Phenol
Di-n-octylphthalate	Pentachlorophenol

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Fluoroanthene	2,4,6-Trichlorophenol
Benzo(a)pyrene	

(All analytes if CCCs not included in standard)

Table 2: SPCCs

N-Nitroso-di-n-propylamine	0.050
Hexachlorocyclopentadiene	0.050
2,4-Dinitrophenol	0.050
4-Nitrophenol	0.050

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268905, 268910, 268906, 268904, 268908	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.2 and 3.6°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/18 and 4/19/07, extracted on 4/20/07, and analyzed on 4/24/07 and 4/27/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Was a DDT standard analyzed every 12 hours? Was the DDT %breakdown < 15%?	✓			A2hp9: 4/12/07 @ 1046, 4/24/07 @ 0340 and 1428 A2hp3: 4/27/07 @ 0904 and 1916	LCG Table 4 >15%=J/R
8. Was an endrin standard analyzed every 12 hours? Was endrin %breakdown <15%?	✓			A2hp9: 4/12/07 @ 1046, 4/24/07 @ 0340 and 1428 A2hp3: 4/27/07 @ 0904 and 1916	LCG Table 4 >15%=J/R
9. Does the initial calibration curve consist of 5 concentration levels?	✓			Instrument a2hp9; ICAL on 4/12/07; Instrument a2hp3 ICAL on 4/27/07 Stds = 0.005, 0.01, 0.025, 0.05, 0.1, 0.20	LCG Table 4 R
10. Were the %RSDs for each analyte ≤ 20%? OR was the average %RSD ≤ 20% with the r^2 >0.990?	✓				LCG Table 4 RSD>20% or r<0.99=J/R
11. Was a blank run prior to the initial calibration?	✓				
12. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 4 R
13. Was a MRL Verification performed at the beginning and end of the sequence or every 12 hours with results 70-130%?		✓		A2hp9: 4/24 @ 0425, 1045, 1513; Heptachlor epoxide %R was 155% in 1045 check. There were no detected results; therefore no qualifications were made. A2hp3: 4/27 @ 1649 and 2004	LCG Table 4 >130%=J; 65-70%%=J/UJ; <65%=J/R
14. Was a second source (ICV) verification analyzed after the ICAL? Were results 85-115%?	✓			A2hp9: 4/12/07 @ 2112 A2hp3: 4/27 @ 1624; delta-BHC %R = 155.8%, Aldrin %R = 116.4%, Heptachlor epoxide %R = 115.3%, 4,4-DDE' %R = 117.9%, Dieldrin %R = 117.6%, and Endrin %R = 115.2%; no qualifications were made since there were no detections.	LCG Table 4 >115%=J; 80-85%=J/UJ; <80%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Was a CCV run every 12 hours?	✓			A2hp3 – 4/27/07 @ 1827 (tox), 1940 A2hp9 - 4/23/07 @ 1117 (tox), 4/24/07 @ 0403, 1022, 1428, and 1941 (tox)	LCG Table 4
16. Was the %D for all target analytes ≤15%? OR was the average %D ≤ 15% with no individual analyte >30%?		✓		A2HP9 – 4/24 @ 0403 – gamma-BHC (17.3%), heptachlor (22.5%), 4,4'-DDD (20.8%), Endrin aldehyde (17.0%), methoxychlor (18.3%), and endrin ketone (19.3%) recovered greater than 15% D. The average %D was 13.08%; no qualifications were made. A2HP9 – 4/24 @ 1022 front – gamma chlordane (47.1%) and 4,4'-DDD (17.3%) recovered greater than 15%D. The average %D was 8.4%; no qualifications were made for 4,4'-DDD. There were no qualifications made for gamma-chlordane since there were no detected results. A2HP9 – 4/24 @ 1022 back – Heptachlor epoxide (25.3%) recovered greater than 15%D. The average %D was 3.7%; no qualifications were made. A2HP9 – 4/24 @ 1451 front – all analytes recovered greater than 15%D. Heptachlor, 4,4'-DDT, Endrin aldehyde, Methoxychlor, and Endrin ketone were greater than 30%D. The average %D was greater than 20%. Only methoxychlor was detected in sample FWGBKGmw-018c-0415-GW. The result was qualified "J". The other results were non-detect. No qualifications were made. A2HP9 – 4/24 @ 1451 back– all analytes recovered greater than 15%D. The average %D was 19.1%. The results were non-detect. No qualifications were made. A2HP9 – 4/23 @ 1117 back column – 4 of the individual peaks %D were greater than 15%. The average %D across all 5 peaks was 16.4%. All results were non-detect; therefore no qualifications were made. **Per the lab, the neg bias indicates the analyte was high.**	LCG Table 4 D>30% (neg) =J/R D>30% (pos) = J
17. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 4
18. Were target analytes < ½ the MRL?	✓				LCG Table 4 <5x=B
19. Was an equipment blank collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
20. Were target analytes in the field blank analyses (equipment) <1/2 the		✓		FWGEQUIPRinse2-0457-GW had beta-BHC detected at 0.067; RL is 0.030 ppb. Samples FWGLL2mw-059c-0422-GW was qualified "B".	<5x =B

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Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
MRL?					
21. Was an LCS prepared and analyzed with each batch?	✓			Only a LCS is required	LCG Table 4
22. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?		✓			LCG Table 4
24. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGWBGmw-006c-0438-GW was the parent.	
25. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
26. Were both DCB and TCMX used for surrogates?	✓				
27. Were surrogate recoveries 50-150%?		✓		Samples FWGBKGmw-005c-0406-GW, FWGBKGmw-006c-0407-GW, FWGBKGmw-012c-0410-GW, FWGBKGmw-019c-0416-GW, and FWGCBPmw-006c-0435-GW had DCB recover below control limits. All associated results were qualified "J/UJ".	LCG Table 4 >150%=J; 10% -50%=J/UJ; <10%=J/R
28. Was a field duplicate analyzed? Were the RPDs ≤30%?		✓		Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW. Beta-BHC had a RPD of 200%. The parent sample was detected and qualified "J".	QAPP Table 3-2 RPD >30=J
29. Were all positive results verified by a second column confirmation? Were the RPD's ≤ 40?					LCG Table 4 >40 RPD=J
30. Were reported sample concentrations within calibration range?	✓				
31. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
32. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 4 and Attachment A "Data Validation Guidelines:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
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Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8081

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Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			*COC#: 268905, 268910, 268906, 268904, 268908*	
2. Were samples preserved properly and received in good condition?	✓			*17 Coolers were received between 1.2 and 3.6°C*	QAPP Table 4-2
3. Were holding times met?	✓			*Samples collected 4/17 and 4/18/07, extracted on 4/20/07, and analyzed on 4/24/07.*	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Does the initial calibration curve consist of 5 concentration levels of Aroclors 1016 and 1260?	✓			Instrument a2hp11; ICAL on 4/13/07 Stds = 0.05, 0.1, 0.2, 0.5, 1.0, 2.0	LCG Table 3 R
8. Was the % RSD ≤ 20%? Were the r^2s >0.990?	✓				LCG Table 3 RSD>20% or r<0.99= J/R
9. Was a MDL Level Verification performed once per quarter? Were all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 3 R
10. Was a MRL Level Verification performed at the beginning and end of the sequence or every 12 hours? Were the results 70-130%	✓	✓		4/24/07 @ 0619, 0928, 1400, 1653,	LCG Table 3 >130%=J; 65-70%=J/UJ; <65%=J/R
11. Was a second source (ICV) verification performed after the ICAL? Were results 85-115%?	✓			4/14/07 @ 0219; Aroclor-1016 peak average was 15.8%. There were no detected results; therefore no qualifications were made,	LCG Table 3 >115%=J; 80-85%=J/UJ; <80%=J/R
12. Were single standards of the other five Aroclors run to aid in pattern recognition and to determine a single point calibration factor?	✓				Method 8082 Section 5.6.2
13. Was a CCV run every 12 hours?	✓			4/24/07 @ 0635, 0943, 1345, 1637	LCG Table 3

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Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Was the % D ≤ 15 % for each analyte or the average %D across all analytes ≤ 15% with a maximum %D for each target analyte ≤30%?	✓				LCG Table 3 D>30% (neg) =J/R D>30% (pos) =J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 5
16. Were target analytes <1/2 the MRL?	✓				LCG Table 5 <5x = B
17. Was an equipment blank collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
18. Were target analytes in the field blank analyses (equipment) <1/2 the MRL?	✓				<5x = B
19. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 3
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; LL-30%=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 3
22. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGWBGmw-006c-0438-GW was the parent.	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
24. Was the surrogate spiked into all samples?	✓				
25. Were surrogate recoveries 50-150%?		✓		Surrogate DCB recovered below control limits in samples FWGBKGmw-019c-0416-GW and FWGCBPmw-006c-0435-GW. All associated results were qualified "J/UJ"	LCG Table 3 >150%=J; 10-50%=J/UJ; <10%=R
26. Was a field duplicate analyzed? Were the RPDs <30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.	QAPP Table 3-2 RPD >30=J

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Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
27. Were all positive results verified by a second dissimilar column confirmation? Was the RPD ≤ 40?	✓				LCG Table 3 RPD>40=J
28. Were reported sample concentrations within calibration range?	✓				
29. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
30. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 3 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

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Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268905, 268910, 268906, 268904, 268908	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.2 and 3.6°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/17 and 4/18/07, extracted on 4/24/07, and analyzed on 5/2/07, 5/5/07, 5/8/07, and 5/9/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?		✓			QAPP Table 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?	✓			5/6/07 @0311,	LCG Table 5 R
8. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D <30%?		✓		5/5/07 @ 2153 and 5/6/07 @ 0218; RDX %D = -34% in 5/6 MRL; MDL check performed 5/8/07 @ 1706, 1759, 5/9/07 @ 0436, 0529, 1326, 1419,	LCG Table 5 >30%=J
9. Did the initial calibration curve consist of 5 concentration levels?	✓			LC10 - ICAL 3/24/07; LC9 – 4/23/07 and 5/9/07 (LC9 used for confirmation of detected results)	LCG Table 5 R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient $r^2 \geq 0.99$?	✓				LCG Table 5 R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%	✓			3/24/07 @ 2313; 4/24/07 @ 0959; 5/10/07 @ 1622	LCG Table 5 >115%=J 80-85%=J/UJ; <80%=J/R
13. Was a CCV run daily?	✓			5/2/07 @ 1907, 5/3/07 @ 0118; 5/5/07 @ 2100, 5/6/07 @ 0125; 5/8/07 @ 1613, 5/9/07 @ 0343, 1233	LCG Table 5
14. Were all target analytes %D ≤ 15% or average %D ≤ 15% with no individual result > 30%?	✓				LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 5
16. Were target analytes in the method blank <1/2 the MRL?		✓			LCG Table 5 <5x = B

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
<1/2 the MRL?					
17. Was a field blank (equipment) collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
18. Were target analytes in the field blank analyses (equipment) <1/2 MRL?		✓		FWGEQUIPRinse3-0458-GW (4/18/07) PETN was detected in the equipment rinse at 0.43 ug/L. There were no detected results; therefore no qualifications were made.	<5x = B
19. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 5
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; <LL=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 5
22. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGWBGmw-006c-0438-GW was the parent.	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?		✓		RDX recovered at 0% in the MS and 224% in the MSD. There were no other QC outliers; therefore no qualifications were made.	QAPP Table 3-2; Pj
24. Were surrogate recoveries within acceptance criteria of 50-150%?	✓				LCG Table 5 >150%=J; 10-50%=J/UJ; <10%=R
25. Were all positive results confirmed with a second column confirmation? Was the RPD% within ± 40%?					LCG Table 5 RPD>40%=J
26. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.	QAPP Table 3-2 RPD >30=J
27. Were reported sample concentrations within calibration range?	✓			Sample FWGWBGmw-006c-0438-GW was originally run on 5/2,but had to be diluted 5x.	
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
29. Were lab comments included in report? If	✓			*Comments in case narrative on*	

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
yes, summarize contents.					

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0009 Rev. 2.0- Determination of Nitroaromatic, Nitramines, and Specialty Explosives Based on Method 8330, SW-846.

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8330 Nitroguanidine

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268905, 268910, 268906, 268904, 268908	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.2 and 3.6°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/17 and 4/18/07, extracted on 4/24/07, and analyzed on 4/26/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?		✓			QAPP Tale 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 5 R
8. Was a MRL Level verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D < 30%?	✓			4/26/07 @ 0236, 0644, 1051, 1418	LCG Table 5 >30%=J
9. Does the initial calibration curve consist of 5 concentration levels? (6 stds for quadratic curves)	✓			Instrument: Varian Star 1, ICAL 3/31/07 Stds: 20, 50, 100, 200, 500, 1000	STL SOP Section 10.2, LCG R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient r≥0.995? (0.990 for Quadratic curve)	✓				STL SOP Section 10.4, LCG R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓			2x MDL 3/31/07 @ 1852	STL SOP Section 9.9 >115%=J; 80-85%=J/UJ; <80%=J/R
13. Was a CCV run at least every 10 samples and at the end of the analytical run?	✓			4/26/07 @ 0215, 0623, 1031, 1358	STL SOP Section 10.9
14. Was the average %D (difference or drift) for all target analytes < 15%?	✓				LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8330 Nitroguanidine

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Attachment A Section 5.6
16. Were target analytes reported in the method blank <1/2 the MRL?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	LCG Table 5 <5x = B
17. Was a field blank collected and analyzed?	✓				
18. Were target analytes reported in the field blank analyses < ½ the MRL?	✓				<5x=B
19. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.	QAPP Table 3-2 RPD >30=J
20. Were all positive results confirmed with a second column confirmation? Was the RPD ≤ 40%?					LCG Table 5 RPD>40%=J
21. Was an LCS prepared and analyzed with each batch?	✓				STL SOP Section 9.6
22. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C <UL=J; 30-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?	✓				STL SOP Section 9.7
24. Was the MS/MSD parent sample a Ravenna sample?	✓			Samples FWGWBGmw-006c-0438-GW was the parent sample.	
25. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
29. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on the*	

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 8330 Nitroguanidine

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0010 "Determination of Nitroguanidine Based on Method 8330, SW-846" April 2007, revision 2.0

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D200101 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268911, 268909, 268912, 268914	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.4 and 4.8°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/17 and 4/18/07, extracted on 4/20/07, and analyzed on 4/20/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3.8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 5 standards and a blank?	✓				LCG Table 9 R
8. Was the correlation coefficient ≥ 0.995 for Hg?	✓				LCG Table 9 R<0.995=J/R
9. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			3/8/07	LCG Table 9 R
10. Was a MRL Level Verification performed at the beginning of every daily analytical sequence with 70-130%?	✓				LCG Table 9 >130%=J; 70-65%=J/UJ; <65%=J/R
11. Was the ICV analyzed after the ICAL but before samples with recoveries between 80-120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ; <75%=J/R
12. Was the ICB analyzed after the ICAL with results <1/2 the MRL?	✓				LCG Table 9 <5x = U
13. Were the CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 9
14. Were CCV results within 80 to 120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ;

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D200101 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
					<75%=J/R
15. Were the CCBs analyzed every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?	✓				LCG Table 9 <5x = U
16. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 9
17. Were target analytes detected in the method blank <1/2 the MRL?	✓				LCG Table 9 <5x = B
18. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
19. Were target analytes reported in the field blank analyses at <1/2 the MRL?	✓				<5x=B
20. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 9
21. Were the LCS recoveries within 80-120%?	✓				LCG Table 9 J>120%=J; 50-79%=J/UJ; <50%=R
22. Was a MS prepared with each batch?	✓				LCG Table 9
23. Was the MS parent sample a Ravenna sample?	✓			Samples FWGWBGmw-006c-0438-GW was the parent sample.	
24. Were the MS recoveries within 80-120%?	✓				LCG Table 9 >125% = J 30% - 75% = J/UJ <30% = J/R
25. Was the Matrix Duplicate RPD ± 20%?	✓				LCG Table 9 >20% = J
26. Was a field duplicate analyzed? Were the RPDs ± 30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.	QAPP Table 3-2
27. Were sample concentrations within calibration range?	✓				

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D200101 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
29. Were lab comments included in report? If yes, summarize contents.	X			Comments on the MS/MSD	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 9 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D200101 R0
Analysis: SW846 ~~7470A~~ 6010B/6020 hm 6/21/07

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268905, 268910, 268906, 268904, 268908	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.2 and 3.6°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/17 and 4/18/07, extracted on 4/20/07, ICP analyzed on 4/23/07, and ICP-MS analyzed on 4/25/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3-8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 3 standards and a blank?	✓				LCG Table 7 R
8. Was the ICAL performed daily?	✓				LCG Table 7 R
9. Was the correlation coefficient r≥0.995 for each analyte?	✓				LCG Table 7 R<0.995=J/R
10. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			3/5/07	LCG Table 7 R
11. Was a MRL Level Verification performed at the beginning of the daily sequence? Were results 70-130%?		✓		The closing MRL check had antimony and thallium recover below control limits. All results were qualified "J/UJ".	LCG Table 7 >130%=J; 65-70%=J/UJ; <65%=J/R
12. Was the ICV (second source verification) analyzed after the ICAL?	✓				LCG Table 7
13. Were all analytes within 90-110% in the ICV?	✓				LCG Table 7 J>110%=J; 90-85%=J/UJ; <85%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓			Potassium ICB was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.	LCG Table 7 < 5x = U
15. Were CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 7

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D200101 R0
Analysis: SW846 ~~7470A~~ 6010B/6020 hmm 6/21/07

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
16. Were CCV results within 90 to 110%?	✓				LCG Table 7 >110%=J 90-85%=J/UJ; <85%=J/R
17. Were the CCBs run every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?		✓		Potassium CCBs were detected between 149 and 165 ppb; RL is 1000 ppb. CCB7 had Cobalt detected at 1.4; RL is 5.0; Nickel at 1.7; RL is 10; Silver at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made. Selenium CCB4 was detected at -3.7, RL is 5.0. All selenium results were non-detect; therefore no qualifications were made. Sodium CCB2 was detected at -650; RL is 1000. All associated sodium results were greater than 5x the absolute blank value; therefore no qualifications were made.	LCG Table 7 <5x = U
18. Was an Interelement Check Standard run at the beginning of the analytical sequence?	✓				LCG Table 7
19.Was the ICS recovery within 80 to 120% of true value for each element of interest?	✓				LCG Table 7 >120%=J; 50-79%=J/UJ; <50%=Pj/R
21. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 7
22. Were target analytes <1/2 the MRL in the method blank?		✓		Potassium was detected at 145 ppb; RL is 1000ppb. Zinc was detected at 5.1ppb; RL is 10 ppb. There were no qualifications made for potassium since the MB value was less than ½ the MRL. All zinc results were qualified "B".	LCG Table 7 <5x = B
23. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
24. Were target analytes reported in the field blank analyses <1/2 the MRL?		✓		FWGEQUIPRinse3-0458-GW: Copper was detected at 2.1; RL is 5.0 ppb. Potassium was detected at 143; RL is 1000 ppb. Zinc was detected at 4.9 ppb; RL is 10 ppb. All contamination less than ½ MRL; therefore no qualifications were made. FWGEQUIPRinse2-0457-GW: Calcium was detected at 95; RL is 1000ppb. Copper was detected at 1.9; RL is 5.0 ppb. Potassium was detected at 148; RL is 1000ppb. Zinc was detected at 5.1; RL is 10 ppb. Calcium, Copper, and Potassium result were less than ½ the MRL; therefore no qualifications were made. Zinc was qualified "B" in samples FWGLL2mw-059c-0422-GF and FWGCBPmw-006c-0435-GF.	<5x=B
25. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 7
26. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J;

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D200101 R0
Analysis: SW846 ~~7470A~~ 6010B | 6020 HM 6/21/07

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
					60%-LL= J/UJ; <60%=J/R
27. Was a MS prepared with each batch?	✓				LCG Table 7
28. Was the MS parent sample a Ravenna sample?	✓			Samples FWGWBGmw-006c-0438-GW was the parent sample.	
29. Were the MS recoveries within 75-125%?	✓				LCG Table 7 >125% = J 30% - 75% = J/UJ <30% = J/R
30. Was the lab sample duplicate RPD ≤20%?	✓			The sample duplicates RPDs were less than 20%.	LCG Table 7 >20% = J
31. Was a Post Digestion Spike analyzed as needed? Were results within 75-125%?			✓		LCG Table 7 >125%=J; 30-75%=J/UJ; <30%=R
32. Was a serial dilution performed as needed?	✓				
33. Was the 4 fold dilution within ± 10% of the original result?	✓				LCG Table 7 >10%=J
34. Was a field duplicate analyzed? Were the RPDs ± 30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW. Nickel RPD was 200%. The field duplicate result was qualified "J".	QAPP Table 3-2 >30% = J
35. Were sample concentrations within calibration range?	✓				
36. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
37. Were lab comments included in report? If yes, summarize contents.	✓				

References:
Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 7 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004
Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268905, 268910, 268906, 268904, 268908	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.2 and 3.6°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/17 and 4/18/07, and analyzed on 4/24/07 and 4/25/07	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-9
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-9
7. Does the initial calibration curve consist of at least 6 standards and one blank?	✓			4/24/07, 4/25/07	LCG Table 10 R
8. Was the correlation coefficient R ≥ 0.995?	✓				LCG Table 10 R<0.995=-J/R
9. Were % RSDs ≤ 10% in all standards and ICV/CCVs?	✓				LCG Table 10 RSD%>10=J
10. Were a high and low standard distilled and compared to the undistilled standard? Were the results within ± 10%?	✓				LCG Table 10 R
11. Was an MDL Level Verification performed at least once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 10 R
12. Was a MRL Level Verification performed at the beginning of every daily sequence? Were results within 70-130%?		✓		4/24/07 @ 1108, cyanide %R = 40%; Sample FWGLL12mw-059c-0422-GW was non-detect and qualified "R". Sample FWGCBPmw-006c-0435-GW was detected and qualified "J". 4/25/07 @ 0943,	LCG Table 10 >130%=J; 65-70%=J/UJ; <65%=J/R
13. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓				LCG Table 10 >115%=J; 80-85%=J/UJ; <80%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				LCG Table 7 < 5x = U
15. Was a CCV run at the beginning and end of the analytical sequence?	✓				LCG Table 10

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
16. Were the CCV results 80-120%?	✓				LCG Table 10 >120%=J; 75-80%=J/UJ; <75%=J/R
17. Was a method blank prepared and analyzed with each batch?	✓				
18. Were target analytes detected in the method blank >1/2 the MRL?		✓			LCG Table 10 <5x=B
19. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
20. Were target analytes in the field blank analyses <1/2 the MRL?	✓				<5x=B
21. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.	QAPP Table 3-2 >30% = J
22. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 10
23. Were the LCS recoveries 80-120%?	✓				LCG Table 10 >120%=J; 50-79%=J/UJ; <50%=R
24. Was a MS prepared once per every 10 samples?	✓			4 MS recoveries were reported. Only one MS recovery applies to the samples in this SDG (analyzed on 4/25/07).	LCG Table 10
25. Was the MS parent sample a Ravenna sample?	✓			Sample FWGWBGmw-006C-0438-GW was the parent sample.	
26. Were MS recoveries 75-125%?		✓		The MS and MSD recovered below control limits. All results were qualified "J/UJ".	QAPP Table 3-2 >120%=J; 30-74%=J/UJ; <30%=J/R
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
29. Were lab comments included in report? If yes, summarize contents.	✓				

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 10 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 Rev 0
Analysis: EPA 353.2- Nitrocellulose

Review Questions:	Yes	No	N/A	Comments	Qualifier
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 268905, 268910, 268906, 268904, 268908	
2. Were samples preserved properly and received in good condition?	✓			17 Coolers were received between 1.2 and 3.6°C at STL-North Canton; Sacramento rec'd samples on 4/20 and 4/23.	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/17 and 4/18/07, extracted 5/3, hydrolyzed 5/4, and analyzed on 5/4/07	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3.7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3.7
7. Was Acetone used to extract the samples? Was the Acetone evaporated using Nitrogen?	✓				STL SOP Sections 11.4
8. Does the initial calibration curve consist of 5 concentration levels with the low standard near but > MDL?	✓			Instrument FS4; ICAL 5/4/07 Stds- 0, 0.05, 0.2, 0.4, 1, 2	STL SOP Section 10.2 R
9. Was the correlation coefficient >0.995?	✓				STL SOP Section 10.2
10. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D <30%?	✓			5/4/07 @ 1322, 1350, 1416, 1434	LCG Table 5 >30%=J
11. Was a second source verification (ICV) analyzed after the ICAL? Were all analytes 90-110%?	✓			5/4/07 @ 1230	STL SOP Section 9.8, 10.3, LCG >110%=J; 90-85%=J/UJ; <85%=J/R
12. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				STL SOP Section 9.8, LCG < 5x = U
13. Was a CCV run every 10 samples and at the end of the analytical run?	✓			5/4/07 @ 1352, 1418, 1436	STL SOP Section 10.4
14. Was the ICV and CCV a mid-level standard from the initial calibration curve?	✓				STL SOP Section 10.3.1

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 Rev 0
Analysis: EPA 353.2- Nitrocellulose

Review Questions:	Yes	No	N/A	Comments	Qualifier
15. Were all CCV calibration analytes within 90-110%?	✓				STL SOP Section 10.4, LCG >110%=J; 85-90%=J/UJ; <85%=J/R
16. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				STL SOP Section 10.4, LCG < 5x = U
17. Was the Nitrocellulose assay available and/or analyzed to be within 10%?	✓				STL SOP Section 7.14.1 R
18. Was a method blank prepared and analyzed with each batch?	✓				
19. Were target analytes reported in the method blank <1/2 the MRL?	✓			ADR checked section;	STL SOP Section 9.4, LCG <5x=B
20. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse3-0458-GW (4/18/07) and analyzed with this SDG. Sample FWGEQUIPRinse2-0457-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 2 was cross applied to the samples collected on 4/17.	
21. Were target analytes reported in the field blank analyses <1/2 the MRL?		✓		ADR checked section; FWGEQUIPRinse3-0458-GW Nitrocellulose was detected in the equipment rinse at 0.22 ug/L. There were no detected results therefore on qualifications were made.	<5x=B
22. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGWBmw-DUP3-0451-GW was the field duplicate of FWGWBmw-009C-0440-GW.	QAPP Table 3-2 RPD > 30% = J
23. Was an LCS prepared and analyzed with each batch? Was the LCS recovery within lab's in-house limits%?	✓				>UL%=J; 50-LL%=J/UJ; <50%=J/R
24. Was a MS/MSD pair prepared with each batch?	✓				
25. Was the MS/MSD parent sample a Ravenna sample?	✓			Samples FWGWBGmw-006C-0438-GW was the parent sample.	
26. Were MS/MSD recoveries 40-140% and RPD ≤20?		✓		ADR checked section; the MSD recovered below control limits. The MS/MSD RPD was above control limits. All associated results were qualified "J/UJ".	QAPP Table 3-2 Method EPA 353.2 Section 9.4.2 >UL%=J; 30-LL%=J/UJ; <50%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 21, 2007

SDG: A7D190102 Rev 0
Analysis: EPA 353.2- Nitrocellulose

Review Questions:	Yes	No	N/A	Comments	Qualifier
27. Were sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
30. Were lab comments included in report? If yes, summarize contents.	✓				

References: *STL SOP SAC-WC-0050 "Preparation and Analysis of Nitrocellulose in Aqueous and Soil/Sediment Samples by Colorimetric Autoanalyzer", Jan 2007, rev. 2.0*

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102028

Reviewed By / Date : Heather Medley 4/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES								*								
Barium	14.8		ug/L		YES																
Calcium	86700		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.8		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	21100		ug/L		YES																
Manganese	2.2		ug/L	B	YES	J								J							L
Nickel	1.5		ug/L	B	YES	J								J							L
Potassium	399		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	3240		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	4.9		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	347		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	12.7		ug/L	J	YES	J B			J B												F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102027

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.98**															
1,3,5-Trinitrobenzene	0.098		ug/L	U	YES																
1,3-Dinitrobenzene	0.098		ug/L	U	YES																
2,4,6-TNT	0.098		ug/L	U	YES																
2,4-Dinitrotoluene	0.098		ug/L	U	YES																
2,6-Dinitrotoluene	0.098		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.098		ug/L	U	YES																
2-Nitrotoluene	0.49		ug/L	U	YES																
3-Nitrotoluene	0.49		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.098		ug/L	U	YES																
4-Nitrotoluene	0.49		ug/L	U	YES																
HMX	0.098		ug/L	U	YES																
Nitrobenzene	0.098		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.098		ug/L	U	YES																
TETRYL	0.098		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102027

Reviewed By / Date : Heather Hadley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102027

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102027

Reviewed By / Date : Heather Reddy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102027

Reviewed By / Date : Heather Pedley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102027

Reviewed By / Date : Heather Reilly 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-005C-0406-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102027

Reviewed By / Date : Heather Kelley 4/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102012

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	11.7		ug/L		YES																
Calcium	76200		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.1		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	23100		ug/L		YES																
Manganese	209		ug/L		YES																
Nickel	3.8		ug/L	B	YES	J								J							L
Potassium	1340		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	44200		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	1540		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	6.0		ug/L	B J	YES	~~BJ~~			16					J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102011

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.03**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.52		ug/L	U	YES																
3-Nitrotoluene	0.52		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.52		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.67		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.67		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102011

Reviewed By / Date : Heather McElroy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102011

Reviewed By / Date : Heather Reddy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102011

Reviewed By / Date : Heather McCoy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review.

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102011

Reviewed By / Date : Heather Kelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,2-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,3-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,4-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES	UJ							UJ								G-
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2,6-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2-Chloronaphthalene	1.0		ug/L	U	YES	UJ							UJ								G-
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES	UJ							UJ								G-
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES	UJ							UJ								G-
3-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102011

Reviewed By / Date : Heather Mobley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES	UJ							UJ								G-
Acenaphthylene	0.20		ug/L	U	YES	UJ							UJ								G-
Anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(b)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(k)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES	UJ							UJ								G-
Butylbenzyl Phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Carbazole	1.0		ug/L	U	YES	UJ							UJ								G-
Chrysene	0.20		ug/L	U	YES	UJ							UJ								G-
dibenzo(a,h)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Dibenzofuran	1.0		ug/L	U	YES	UJ							UJ								G-
Diethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Dimethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-butyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-octyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Fluorene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobenzene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobutadiene	1.0		ug/L	U	YES	UJ							UJ								G-
Hexachlorocyclopentadiene	10		ug/L	U	YES	UJ							UJ								G-
Hexachloroethane	1.0		ug/L	U	YES	UJ							UJ								G-
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Isophorone	1.0		ug/L	U	YES	UJ							UJ								G-
Naphthalene	0.20		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-006C-0407-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102011

Reviewed By / Date : Heather Kelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES	UJ							UJ								G-
N-Nitrosodiphenylamine	1.0		ug/L	U	YES	UJ							UJ								G-
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES	UJ							UJ								G-
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102004

Reviewed By / Date : Heather Melley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	283		ug/L		YES																
Calcium	28600		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.1		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	9530		ug/L		YES																
Manganese	34.6		ug/L		YES																
Nickel	10.0		ug/L	U	YES																
Potassium	4640		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	42900		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	8.1		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	469		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	11.7		ug/L	J	YES	BJ			66												F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102003

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.03**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.098		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.52		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.52		ug/L	U	YES																
HMX	0.073		ug/L	J	YES	J								J							L
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.67		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.67		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102003

Reviewed By / Date : Heather Melby 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102003

Reviewed By / Date : Heather Medley 9/5/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102003

Reviewed By / Date : Heather Nedley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	0.81		ug/L	J	YES	J								J							L
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.26		ug/L	J B	YES	~~R~~ UJ								J		~~R~~ UJ					L, N
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102003

Reviewed By / Date : Heather Reilly 4/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102003

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-012C-0410-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102003

Reviewed By / Date : Heather Kelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102018

Reviewed By / Date : Heather Kelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	10.3		ug/L		YES																
Barium	93.6		ug/L		YES																
Calcium	76100		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.2		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	25700		ug/L		YES																
Manganese	434		ug/L		YES																
Nickel	10.0		ug/L	U	YES																
Potassium	1750		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	12800		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	1150		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	7.5		ug/L	B J	YES	BJ			MB					J							L, E
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102017

Reviewed By / Date : Heather Malley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.07**															
1,3,5-Trinitrobenzene	0.11		ug/L	U	YES																
1,3-Dinitrobenzene	0.11		ug/L	U	YES																
2,4,6-TNT	0.11		ug/L	U	YES																
2,4-Dinitrotoluene	0.11		ug/L	U	YES																
2,6-Dinitrotoluene	0.11		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.11		ug/L	U	YES																
2-Nitrotoluene	0.098		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.54		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.11		ug/L	U	YES																
4-Nitrotoluene	0.54		ug/L	U	YES																
HMX	0.11		ug/L	U	YES																
Nitrobenzene	0.11		ug/L	U	YES																
NITROGLYCERINE	0.70		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.70		ug/L	U	YES																
RDX	0.11		ug/L	U	YES																
TETRYL	0.11		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102017

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102017

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102017

Reviewed By / Date : Heather Melley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	**UJ**															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	**UJ**															Pj-
Bromoform	1.0		ug/L	U	YES	**R**															Pj-
Bromomethane	1.0		ug/L	U	YES	**UJ**													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	**R**															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	**R**				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	**R**															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.24		ug/L	J B	YES	UJ								J		VB					L, N
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	**R**				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102017

Reviewed By / Date : Heather Reddy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,2-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,3-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,4-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES	UJ							UJ								G-
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2,6-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2-Chloronaphthalene	1.0		ug/L	U	YES	UJ							UJ								G-
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES	UJ							UJ								G-
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES	UJ							UJ								G-
3-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102017

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES	UJ							UJ								G-
Acenaphthylene	0.20		ug/L	U	YES	UJ							UJ								G-
Anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(b)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(k)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES	UJ							UJ								G-
Butylbenzyl Phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Carbazole	1.0		ug/L	U	YES	UJ							UJ								G-
Chrysene	0.20		ug/L	U	YES	UJ							UJ								G-
dibenzo(a,h)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Dibenzofuran	1.0		ug/L	U	YES	UJ							UJ								G-
Diethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Dimethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-butyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-octyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Fluorene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobenzene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobutadiene	1.0		ug/L	U	YES	UJ							UJ								G-
Hexachlorocyclopentadiene	10		ug/L	U	YES	UJ							UJ								G-
Hexachloroethane	1.0		ug/L	U	YES	UJ							UJ								G-
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Isophorone	1.0		ug/L	U	YES	UJ							UJ								G-
Naphthalene	0.20		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-013C-0411-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102017

Reviewed By / Date : Heather Nelly 4/15/08 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES	UJ							UJ								G-
N-Nitrosodiphenylamine	1.0		ug/L	U	YES	UJ							UJ								G-
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES	UJ							UJ								G-
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102030

Reviewed By / Date : Heather Reddy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	13.9		ug/L		YES																
Calcium	9950		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.6		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	4190		ug/L		YES																
Manganese	5.0		ug/L	B	YES	J								J							L
Nickel	2.6		ug/L	B	YES	J								J							L
Potassium	509		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	2640		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	25.5		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	111		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	6.1		ug/L	B J	YES	BJ			SB					J							L, F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102029

Reviewed By / Date : Heather Hadley 4/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.05**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	7.0		ug/L	D	YES																
2-Nitrotoluene	0.52		ug/L	U	YES																
3-Nitrotoluene	0.52		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.52		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.68		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.68		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102029

Reviewed By / Date : Heather Kelly 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102029

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102029

Reviewed By / Date : Heather Melley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102029

Reviewed By / Date : Heather Reilly 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102029

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-016C-0413-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102029

Reviewed By / Date : Heather Nelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102022

Reviewed By / Date : Heather McElroy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	21.7		ug/L		YES																
Calcium	47900		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.8		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	5290		ug/L		YES																
Manganese	28.4		ug/L		YES																
Nickel	10.0		ug/L	U	YES																
Potassium	1090		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	1640		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	275		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	6.2		ug/L	B J	YES	BUJ			UB					J							L, JF
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102021

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.96**															
1,3,5-Trinitrobenzene	0.096		ug/L	U	YES																
1,3-Dinitrobenzene	0.096		ug/L	U	YES																
2,4,6-TNT	0.096		ug/L	U	YES																
2,4-Dinitrotoluene	0.096		ug/L	U	YES																
2,6-Dinitrotoluene	0.096		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.096		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.096		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.096		ug/L	U	YES																
Nitrobenzene	0.096		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.096		ug/L	U	YES																
TETRYL	0.096		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102021

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102021

Reviewed By / Date : Heather Kelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.016		ug/L	J	YES	J								J						J	L, W
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102021

Reviewed By / Date : Heather Medley 4/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	0.51		ug/L	J	YES	~~UJ~~								J		UB					L, N
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102021

Reviewed By / Date : Heather Nalley 4/15/08 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102021

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-018C-0415-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102021

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	US	~~Calx~~				US										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102026

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	46.1		ug/L		YES																
Calcium	118000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	3.3		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	33800		ug/L		YES																
Manganese	70.8		ug/L		YES																
Nickel	4.0		ug/L	B	YES	J								J							L
Potassium	1320		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	8770		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	540		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	6.5		ug/L	B J	YES	~~B~~ UJ			SB					J							L, JZ
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102025

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.97**															
1,3,5-Trinitrobenzene	0.097		ug/L	U	YES																
1,3-Dinitrobenzene	0.097		ug/L	U	YES																
2,4,6-TNT	0.097		ug/L	U	YES																
2,4-Dinitrotoluene	0.097		ug/L	U	YES																
2,6-Dinitrotoluene	0.097		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.097		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.097		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.097		ug/L	U	YES																
Nitrobenzene	0.097		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.097		ug/L	U	YES																
TETRYL	0.097		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102025

Reviewed By / Date : Heather Melley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102025

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102025

Reviewed By / Date : Heather Kelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution:** 1															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102025

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102025

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-019C-0416-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102025

Reviewed By / Date : Heather Reilly 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102016

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	147		ug/L		YES																
Calcium	49200		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.4		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	15500		ug/L		YES																
Manganese	706		ug/L		YES																
Nickel	2.3		ug/L	B	YES	J								J							L
Potassium	2540		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	8090		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	2040		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	10.9		ug/L	J	YES	J			MB												F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102015

Reviewed By / Date : Heather Melley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.03**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.095		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.52		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.52		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.67		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.67		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102015

Reviewed By / Date : Heather Malley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102015

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.0081		ug/L	J	YES	J								J							L
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102015

Reviewed By / Date : Heather Malley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102015

Reviewed By / Date : Heather Nedley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102015

Reviewed By / Date : Heather Nudey 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGBKGmw-020C-0417-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102015

Reviewed By / Date : Heather Melby 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102014

Reviewed By / Date : Heather McCoy 6/21/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	9.2		ug/L		YES																
Barium	150		ug/L		YES																
Calcium	78800		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.4		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	31500		ug/L		YES																
Manganese	71.7		ug/L		YES																
Nickel	3.2		ug/L	B	YES	J								J							L
Potassium	1900		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	16400		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	25.2		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	718		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	10.7		ug/L	J	YES	BU			MB							MB					F, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102013

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.96**															
1,3,5-Trinitrobenzene	0.096		ug/L	U	YES																
1,3-Dinitrobenzene	0.096		ug/L	U	YES																
2,4,6-TNT	0.096		ug/L	U	YES																
2,4-Dinitrotoluene	0.096		ug/L	U	YES																
2,6-Dinitrotoluene	0.096		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.096		ug/L	U	YES																
2-Nitrotoluene	0.090		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.096		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.096		ug/L	U	YES																
Nitrobenzene	0.096		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.096		ug/L	U	YES																
TETRYL	0.096		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102013

Reviewed By / Date : Heather Reilly 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102013

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan II	0.025		ug/L	U	YES	UJ							UJ								G-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.028		ug/L	J	YES	J							J	J							L 6/19
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102013

Reviewed By / Date : Heather Melley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102013

Reviewed By / Date : Heather Melby 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,2-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,3-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,4-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES	UJ							UJ								G-
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2,6-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2-Chloronaphthalene	1.0		ug/L	U	YES	UJ							UJ								G-
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES	UJ							UJ								G-
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES	UJ							UJ								G-
3-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102013

Reviewed By / Date : Heather Kelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES	UJ							UJ								G-
Acenaphthylene	0.20		ug/L	U	YES	UJ							UJ								G-
Anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(b)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(k)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES	UJ							UJ								G-
Butylbenzyl Phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Carbazole	1.0		ug/L	U	YES	UJ							UJ								G-
Chrysene	0.20		ug/L	U	YES	UJ							UJ								G-
dibenzo(a,h)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Dibenzofuran	1.0		ug/L	U	YES	UJ							UJ								G-
Diethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Dimethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-butyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-octyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Fluorene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobenzene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobutadiene	1.0		ug/L	U	YES	UJ							UJ								G-
Hexachlorocyclopentadiene	10		ug/L	U	YES	UJ							UJ								G-
Hexachloroethane	1.0		ug/L	U	YES	UJ							UJ								G-
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Isophorone	1.0		ug/L	U	YES	UJ							UJ								G-
Naphthalene	0.20		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-006C-0435-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102013

Reviewed By / Date : Heather McCoy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES	UJ							UJ								G-
N-Nitrosodiphenylamine	1.0		ug/L	U	YES	UJ							UJ								G-
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES	UJ							UJ								G-
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.011		mg/L		YES	J					J										H P J H
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Kelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.96**															
1,3,5-Trinitrobenzene	0.096		ug/L	U	YES																
1,3-Dinitrobenzene	0.096		ug/L	U	YES																
2,4,6-TNT	0.096		ug/L	U	YES																
2,4-Dinitrotoluene	0.096		ug/L	U	YES																
2,6-Dinitrotoluene	0.096		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.096		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.096		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.096		ug/L	U	YES																
Nitrobenzene	0.096		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.43		ug/L	J	YES	J								J							L
RDX	0.096		ug/L	U	YES																
TETRYL	0.096		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Nadeau 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.22		mg/L	B	YES	J					J			J							L, I, H

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Reddy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	5.3		ug/L	J	YES	J								J							L
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	4.2		ug/L	J	YES	J								J							L
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	1.1		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	0.53		ug/L	J	YES	J								J							L
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Melley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Hedley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse3-0458-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102023

Reviewed By / Date : Heather Medley 9/5/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	10.0		ug/L	U	YES																
Calcium	1000		ug/L	U	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.1		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	1000		ug/L	U	YES																
Manganese	10.0		ug/L	U	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	143		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	1000		ug/L	U	YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	20.0		ug/L	U	YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	4.9		ug/L	B J	YES	~~B~~ UJ			UB					J							L, F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102002

Reviewed By / Date : Heather McDeey 6/21/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	17.6		ug/L		YES																
Calcium	45300		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	3.1		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	7910		ug/L		YES																
Manganese	9.5		ug/L	B	YES	J								J							L
Nickel	3.7		ug/L	B	YES	J								J							L
Potassium	589		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	8530		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	176		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	6.6		ug/L	B J	YES	BUJ			MB					J		MB					L, F, W
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102001

Reviewed By / Date : Heather McKay 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.98**															
1,3,5-Trinitrobenzene	0.66		ug/L		YES																
1,3-Dinitrobenzene	0.098		ug/L	U	YES																
2,4,6-TNT	0.098		ug/L	U	YES																
2,4-Dinitrotoluene	0.12		ug/L		YES																
2,6-Dinitrotoluene	0.098		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.22		ug/L		YES																
2-Nitrotoluene	0.49		ug/L	U	YES																
3-Nitrotoluene	0.49		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.21		ug/L		YES																
4-Nitrotoluene	0.49		ug/L	U	YES																
HMX	0.038		ug/L	J	YES	J								J							L
Nitrobenzene	0.098		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.098		ug/L	U	YES																
TETRYL	0.098		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102001

Reviewed By / Date : Heather Melby 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102001

Reviewed By / Date : Heather McDeey 6/21/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.027		ug/L	J	YES	J								J							L
beta-BHC	0.0094		ug/L	J	YES	BUJ								J		VB					L, M
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.025		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102001

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102001

Reviewed By / Date : Heather Reddy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102001

Reviewed By / Date : Heather Reilley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-059C-0422-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102001

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	R															Pj-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTeam1-TRIP0417 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102031

Reviewed By / Date : Heather Mellay 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.33		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTeam1-TRIP0417 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102031

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM1 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102032

Reviewed By / Date : Heather Reddy 4/5/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	1.1		ug/L	J	YES	J								J							L
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.36		ug/L	J B	YES	BJ								J		AB					L, N
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM1 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102032

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM2 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102033

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	1.1		ug/L	J	YES	J								J							L
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.31		ug/L	J B	YES	UJ								J		VB					L, N
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM2 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102033

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM3 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102034

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	1.2		ug/L	J	YES	J								J							L
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.34		ug/L	J B	YES	UJ								J		UB					L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTRIP-TEAM3 **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102034

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102020

Reviewed By / Date : Heather Melby 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	26.5		ug/L		YES																
Calcium	68200		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.2		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	22600		ug/L		YES																
Manganese	54.6		ug/L		YES																
Nickel	10.0		ug/L	U	YES																
Potassium	784		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	6350		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	278		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	5.1		ug/L	B J	YES	BUJ			JB					J							L, F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102019

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 4.99**															
1,3,5-Trinitrobenzene	0.50		ug/L	U	YES																
1,3-Dinitrobenzene	0.50		ug/L	U	YES																
2,4,6-TNT	0.50		ug/L	U	YES																
2,4-Dinitrotoluene	0.50		ug/L	U	YES																
2,6-Dinitrotoluene	0.50		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.50		ug/L	U	YES																
2-Nitrotoluene	2.5		ug/L	U	YES																
3-Nitrotoluene	2.5		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.50		ug/L	U	YES																
4-Nitrotoluene	2.5		ug/L	U	YES																
HMX	12		ug/L		YES																
Nitrobenzene	0.50		ug/L	U	YES																
NITROGLYCERINE	3.2		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	3.2		ug/L	U	YES																
RDX	51		ug/L		YES																
TETRYL	0.50		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102019

Reviewed By / Date : Heather Medley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102019

Reviewed By / Date : Heather Kelley 6/18/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102019

Reviewed By / Date : Heather Mellby 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Bromoform	1.0		ug/L	U	YES	R					UJ										Pj-,H-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R					UJ										Pj-,H-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ	UJ										Pj-,J-,H-
Dibromochloromethane	1.0		ug/L	U	YES	R					UJ										Pj-,H-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ	UJ										Pj-,J-,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102019

Reviewed By / Date : Heather Reilly 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ					UJ		UJ								G-,H-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES	~~UJ~~					~~UJ~~										~~H-~~
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ					UJ		UJ								G-,H-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES	~~UJ~~					~~UJ~~										~~H-~~
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102019

Reviewed By / Date : Heather Nelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES	~~UJ~~					~~UJ~~									~~H-~~	
Hexachlorocyclopentadiene	10		ug/L	U	YES	~~UJ~~					~~UJ~~									~~H-~~	
Hexachloroethane	1.0		ug/L	U	YES	~~UJ~~					~~UJ~~									~~H-~~	
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-006C-0438-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102019

Reviewed By / Date : Heather McCoy 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.0090		mg/L	B	YES	J					J			J							L, H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102010

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	22.3		ug/L		YES																
Calcium	63700		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.0		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	14900		ug/L		YES																
Manganese	46.8		ug/L		YES																
Nickel	10.0		ug/L	U	YES																
Potassium	1030		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	3620		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	350		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	6.0		ug/L	B J	YES	~~BJ~~ J			~~B~~ J					J							L, F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102009

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.01**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.091		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.66		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.66		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102009

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102009

Reviewed By / Date : Heather Nulley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102009

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.26		ug/L	J B	YES	~~R~~ UJ								J		UB					L, N
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102009

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,2-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,3-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
1,4-Dichlorobenzene	1.0		ug/L	U	YES	UJ							UJ								G-
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES	UJ							UJ								G-
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2,6-Dinitrotoluene	5.0		ug/L	U	YES	UJ							UJ								G-
2-Chloronaphthalene	1.0		ug/L	U	YES	UJ							UJ								G-
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES	UJ							UJ								G-
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES	UJ							UJ								G-
3-Nitroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES	UJ							UJ								G-
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
4-Nitroanaline	2.0		ug/L	U	YES	UJ							UJ								G-
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102009

Reviewed By / Date : Heather McCoy 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES	UJ							UJ								G-
Acenaphthylene	0.20		ug/L	U	YES	UJ							UJ								G-
Anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(a)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(b)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES	UJ							UJ								G-
Benzo(k)fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Benzoic acid	8.2		ug/L	J	YES	J							J	J							L 16-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES	UJ							UJ								G-
Butylbenzyl Phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Carbazole	1.0		ug/L	U	YES	UJ							UJ								G-
Chrysene	0.20		ug/L	U	YES	UJ							UJ								G-
dibenzo(a,h)anthracene	0.20		ug/L	U	YES	UJ							UJ								G-
Dibenzofuran	1.0		ug/L	U	YES	UJ							UJ								G-
Diethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Dimethyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-butyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Di-n-octyl phthalate	1.0		ug/L	U	YES	UJ							UJ								G-
Fluoranthene	0.20		ug/L	U	YES	UJ							UJ								G-
Fluorene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobenzene	0.20		ug/L	U	YES	UJ							UJ								G-
Hexachlorobutadiene	1.0		ug/L	U	YES	UJ							UJ								G-
Hexachlorocyclopentadiene	10		ug/L	U	YES	UJ							UJ								G-
Hexachloroethane	1.0		ug/L	U	YES	UJ							UJ								G-
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES	UJ							UJ								G-
Isophorone	1.0		ug/L	U	YES	UJ							UJ								G-
Naphthalene	0.20		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-007C-0439-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102009

Reviewed By / Date : Heather Kelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES	**UJ**							UJ								G-
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES	**UJ**							UJ								G-
N-Nitrosodiphenylamine	1.0		ug/L	U	YES	**UJ**							UJ								G-
Pentachlorophenol	5.0		ug/L	U	YES	**UJ**							UJ								G-
Phenanthrene	0.20		ug/L	U	YES	**UJ**							UJ								G-
Phenol	1.0		ug/L	U	YES	**UJ**							UJ								G-
Pyrene	0.20		ug/L	U	YES	**UJ**							UJ								G-
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102006

Reviewed By / Date : Heather Kelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	9.7		ug/L	B	YES	J								J							L
Calcium	46200		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.1		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	14300		ug/L		YES																
Manganese	52.6		ug/L		YES																
Nickel	10.0		ug/L	U	YES	None															P
Potassium	475		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	4060		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	2.9		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	196		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	5.4		ug/L	B J	YES	BUJ			VB					J							L, F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102005

Reviewed By / Date : Heather Melley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.02**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.51		ug/L	U	YES																
3-Nitrotoluene	0.51		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.51		ug/L	U	YES																
HMX	1.1		ug/L		YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.66		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.66		ug/L	U	YES																
RDX	3.4		ug/L		YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102005

Reviewed By / Date : Heather McCoy 9/5/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102005

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.0087		ug/L	J	YES	J								J							L ; P-BJ
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102005

Reviewed By / Date : Heather Melley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102005

Reviewed By / Date : Heather Nedley 4/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102005

Reviewed By / Date : Heather Melley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-009C-0440-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102005

Reviewed By / Date : Heather Melby 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	UJ					UJ										H
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GF **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D190102008

Reviewed By / Date : Heather Nelly 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	9.4		ug/L	B	YES	J								J							L
Calcium	44000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.3		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	13600		ug/L		YES																
Manganese	50.2		ug/L		YES																
Nickel	1.8		ug/L	B	YES	J								J							L, P-B
Potassium	470		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	4070		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	3.5		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	197		ug/L		YES																
Thallium	1.0		ug/L	U	YES	UJ															Pj-
Zinc	4.6		ug/L	B J	YES	BUJ			MB					J							L, F
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D190102007

Reviewed By / Date : Heather Nelley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.98**															
1,3,5-Trinitrobenzene	0.098		ug/L	U	YES																
1,3-Dinitrobenzene	0.098		ug/L	U	YES																
2,4,6-TNT	0.098		ug/L	U	YES																
2,4-Dinitrotoluene	0.098		ug/L	U	YES																
2,6-Dinitrotoluene	0.098		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.098		ug/L	U	YES																
2-Nitrotoluene	0.49		ug/L	U	YES																
3-Nitrotoluene	0.49		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.098		ug/L	U	YES																
4-Nitrotoluene	0.49		ug/L	U	YES																
HMX	1.2		ug/L		YES																
Nitrobenzene	0.098		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	3.8		ug/L		YES																
TETRYL	0.098		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D190102007

Reviewed By / Date : Heather Reilly 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I,H-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102007

Reviewed By / Date : Heather Medley 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																P
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES																
Endosulfan II	0.025		ug/L	U	YES																
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102007

Reviewed By / Date : Heather Nudday 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R															Pj-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ											Pj-,J-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102007

Reviewed By / Date : Heather Melby 6/15/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102007

Reviewed By / Date : Deanna Nelley 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES																
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGWBGmw-DUP3-0451-GW **Lab Report Batch :** A7D190102 **Lab ID :** STLCAN

Sample Date : 04/18/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D190102007

Reviewed By / Date : Heather McCoy 6/19/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES	US					US										H-
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P

Category	Code
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z
Categories not Assessed by Automated Data Review*	
Internal Standards	Is
Calibration Blanks	Cb
Resolution Check Mixture	Rm
Performance Evaluation Mixture	Pm
Professional Judgement	Pj

* Qualifiers for data-review categories not assessed by automated data review are manually entered by the user. The application automaticallly adds reason codes listed here when the user manually adds qualifiers for these categories if the option for applying reason codes was selected during automated data review.

CASE NARRATIVE

A7D190102

The following report contains the analytical results for twenty-nine water samples and four quality control samples submitted to STL North Canton by Environmental Quality Mgt Inc from the RVAAP Ohio Site, project number W912QR-04-D-0036. The samples were received April 19, 2007, according to documented sample acceptance procedures.

The Explosives, Nitroguanidine, and Nitrocellulose analyses were performed at STL Sacramento.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Eric Corbin and Heather Medley on May 18, 2007. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 1.2 to 3.6°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for FWGWBGmw-006C-0438-GW had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

GC/MS SEMIVOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for FWGWBGmw-006C-0438-GW had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

Samples FWGBKGmw-006C-0407-GW, FWGBKGmw-013C-0411-GW, and FWGWBGmw-006C-0438-GW had up to one surrogate recovery per fraction outside acceptance limits. However, since the recovery was greater than 10% and all associated QC met criteria, no corrective action was taken.

PESTICIDES-8081

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

CASE NARRATIVE (continued)

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The matrix spike/matrix spike duplicate(s) for FWGWBGmw-006C-0438-GW had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)
-

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER A7D190102

General Comments
The samples were received at 1-6 degrees C.

WATER, 8330, Explosives
Sample(s): 25
This sample was filtered prior to extraction since it was turbid and had excessive sediment. A filtered blank was included in the batch.

Sample(s): 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 19, 19, 21, 23, 25, 27, 29
The matrix spikes, which were performed on sample 19, low recoveries for several analytes due to possible matrix interferences. Since the laboratory control sample showed acceptable recoveries, no corrective action was performed.

Sample(s): 19, 19MS, 19MSD
These samples were analyzed without bracketing MRL standards for Nitroglycerin & PETN since these analytes were requested after the samples had already been analyzed.

WATER, 353.2, Nitrocellulose as N
The matrix spikes, which were performed on sample 19, showed a low matrix spike duplicate recovery due to possible matrix interferences. Since the laboratory control sample showed acceptable recoveries, no corrective action was performed.

There were no other anomalies associated with this project.

SAMPLE SUMMARY

A7D190102

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT7J7	001	FWGLL2mw-059C-0422-GW	04/17/07	18:55
JT7KC	002	FWGLL2mw-059C-0422-GF	04/17/07	18:55
JT7KE	003	FWGBKGmw-012C-0410-GW	04/18/07	13:30
JT7KG	004	FWGBKGmw-012C-0410-GF	04/18/07	13:30
JT7KH	005	FWGWBGmw-009C-0440-GW	04/18/07	09:08
JT7KK	006	FWGWBGmw-009C-0440-GF	04/18/07	09:08
JT7KL	007	FWGWBGmw-DUP3-0451-GW	04/18/07	09:08
JT7KN	008	FWGWBGmw-DUP3-0451-GF	04/18/07	09:08
JT7KQ	009	FWGWBGmw-007C-0439-GW	04/18/07	09:20
JT7KT	010	FWGWBGmw-007C-0439-GF	04/18/07	09:20
JT7KV	011	FWGBKGmw-006C-0407-GW	04/18/07	17:10
JT7KX	012	FWGBKGmw-006C-0407-GF	04/18/07	17:10
JT7K1	013	FWGCBPmw-006C-0435-GW	04/17/07	17:25
JT7K3	014	FWGCBPmw-006C-0435-GF	04/17/07	17:25
JT7K4	015	FWGBKGmw-020C-0417-GW	04/18/07	11:25
JT7K5	016	FWGBKGmw-020C-0417-GF	04/18/07	11:25
JT7K6	017	FWGBKGmw-013C-0411-GW	04/18/07	15:30
JT7LA	018	FWGBKGmw-013C-0411-GF	04/18/07	15:30
JT7LC	019	FWGWBGmw-006C-0438-GW	04/18/07	09:55
JT7LG	020	FWGWBGmw-006C-0438-GF	04/18/07	09:55
JT7LM	021	FWGBKGmw-018C-0415-GW	04/18/07	13:12
JT7LN	022	FWGBKGmw-018C-0415-GF	04/18/07	13:12
JT7LQ	023	FWGEQUIPRinse3-0458-GW	04/18/07	13:20
JT7LW	025	FWGBKGmw-019C-0416-GW	04/18/07	12:30
JT7L2	026	FWGBKGmw-019C-0416-GF	04/18/07	12:30
JT7L3	027	FWGBKGmw-005C-0406-GW	04/18/07	14:45
JT7L4	028	FWGBKGmw-005C-0406-GF	04/18/07	14:45
JT7L5	029	FWGBKGmw-016C-0413-GW	04/18/07	15:27
JT7L6	030	FWGBKGmw-016C-0413-GF	04/18/07	15:27
JT7L7	031	FWGTeam1-TRIP0417	04/17/07	08:00
JT7L9	032	FWGTRIP-TEAM1	04/18/07	08:00
JT7MA	033	FWGTRIP-TEAM2	04/18/07	08:00
JT7MC	034	FWGTRIP-TEAM3	04/18/07	08:00

(Continued on next page)

Chain of Custody Record

SEVERN TRENT **STL®**
Severn Trent Laboratories, Inc.

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STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
EQM	John Miller	4/18/07	268905
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1800 Carillon Blvd	513.825.7500 (fax 7495)		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Cincinnati / OH / 45240		Mark Loeb	
Project Name and Location (State)	**Carrier/Waybill Number**		
RVAAP OH10 PN#30240.0006	N/A		
Contract/Purchase Order/Quote No.			
W912QR-04-D-0036 PO#12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	metals	Special Instructions/ Conditions of Receipt
FWGLL2mw-059C-0422GW	4/17/07	1855		X			10			3	1		X	X	X	X	X	X	X		
FWGLL2mw-059C-0422-GF	4/17/07	1855		X					1											X	Field Filtered
FWGCBPmw-006C-0435-GW	4/17/07	1725		X			10			3	1		X	X	X	X	X	X	X		
FWGCBPmw-006C-0435 GF	4/17/07	1725		X					1											X	Field Filtered
FWGTEAM1-TRIP0417	4/17/07	0800		X						2			X								

EC 4/17/07

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Prelim

QC Requirements (Specify)
Metals were field filtered

	Date	Time		Date	Time
1. Relinquished By	4/17/07	2000	1. Received By RVAAP Secured Refrigerator #2	4/17/07	2000
2. Relinquished By Eric C. Corbin EQ	4/18/07	1810	2. Received By Rick Robbins	4-18-07	1810
3. Relinquished By Rick Robbins	4-18-07	1925	3. Received By	4/19/07	0645

Comments
Cooler ID# 8, @ 18

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

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STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4-18-07	Chain of Custody Number: 268910
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 1500 (fax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: Oh / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP Ohio Pn# 30240.0006	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 Pott 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGWBGmw-006C-0438-GW	4/18/07	0955		X			3			2			X	X	X	X	X	X	X		MSMSD
FWGWBGmw-006C-0438-GF		0955		X					1		1									X	MSMSD Field filtered.
FWGBKGmw-019C-0416-GW		1230		X			10			3	1		X	X	X	X	X	X	X		
FWGBKGmw-019C-0416-GF		1230		X					1		1									X	
FWGBKGmw-005C-0406-GW		1445		X			10			3	1		X	X	X	X	X	X	X		
FWGBKGmw-005C-0406-GF	4/18/07	1445		X					1		1									X	
FWGEQUIPRinse3	4/18/07	1320					10		1	3	1		X	X	X	X	X	X	X	X	
FWGTrip Team1	4/18/07	0800					08	01	2	2			X	X	X	X	X	X	X	X	Lead

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other PerSow

QC Requirements (Specify): Metals were field filtered

1. Relinquished By	Date: 4/18/07	Time: 1810	1. Received By: Rick Robison	Date: 4-18-07	Time: 1810
2. Relinquished By: Nick Robison	Date: 4-18-07	Time: 1925	2. Received By	Date: 4/19/07	Time: 0645
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments: Cooler ID# 13, 14, 15, 16, 17, 18

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
EQM	John Miller	4-18-07	268906
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
1800 Carillon Blvd	513 825 7500 (fax 7495)		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Cincinnati / Oh / 45240		Mark Loeb	
Project Name and Location (State)	**Carrier/Waybill Number**		
RVAAP Ohio PN#30240.0026			
Contract/Purchase Order/Quote No.			
W912QR-04-D-0036 PO#12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGBKGmw-012C-0410-GW	4/18/07	1330		X			10			3	1		X	X	X	X	X	X	X		
FWGBKGmw-012C-0410-GF	4/18/07	1330		X					1											X	Field Filtered
FWGBKGmw-013C-0411-GW	4/18/07	1530		X			10			3	1		X	X	X	X	X	X	X		
FWGBKGmw-013C-0411-GF	4/18/07	1530		X					1											X	Field Filtered
FWG TRIP TEAM 2	4/18/07	0800		X						2			X								
FWGWBGmw-007C 0439 GW	4/18/07	0920		X						3			X								
FWGBKGmw-020C-0417GW	4/18/07	1125		X						3			X								
EMPTY CAN																					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Person

QC Requirements (Specify)
Metals were field filtered

1. Relinquished By	Date 4-18-07	Time 1810	1. Received By Rick Robison	Date 4-18-07	Time 1810
2. Relinquished By Rick Robison	Date 4-18-07	Time 1925	2. Received By	Date 4/18/07	Time 0645
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments
Samples collect near day end may not cool sufficiently prior to temp. Cooler ID# 11+12

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT STL®
Severn Trent Laboratories, Inc.

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STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
FOM	John Miller	4/18/07	268904
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
1800 Carillon Blvd	513 825 7500 (Ext 7495)		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Cincinnati OH 45240		Mark Loeb	
Project Name and Location (State)	**Carrier/Waybill Number**		
RVAAP OHIO PN# 30240.0006			
Contract/Purchase Order/Quote No.			
W912QR-04-D-0036 PO# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	Metals
FWGWBGmw-009C-0440-GW	4/18/07	09:08		X			10			3	1		X	X	X	X	X	X	X	
FWGWBGmw-009C-0440-GF	4/18/07	09:08		X					1											X
FWGWBGmw-Dup3-0451-GW	4/18/07	09:08		X			10			3	1		X	X	X	X	X	X	X	
FWGWBGmw-Dup3-0451-GF	4/18/07	09:08		X					1											X
FWGBKGmw-018C-0415-GW	4/18/07	13:12		X			10			3	1		X	X	X	X	X	X	X	
FWGBKGmw-018C-0415-GF	4/18/07	13:12		X					1											X
FWGBKGmw-016C-0413-GW	4/18/07	15:27		X			10			3	1		X	X	X	X	X	X	X	
FWGBKGmw-016C-0413-GF	4/18/07	15:27		X					1											X
FWGBKGmw-006C-0407-GW	4/18/07	1710		X			10			3	1		X	X	X	X	X	X	X	
FWGBKGmw-006C-0407-GF	4/18/07	1710		X					1											X
FWGTrip-Team 3	4/18/07	0800		X						2			X							
						EQ	4/18/07													

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Per SOW

QC Requirements (Specify)
Metals were field filtered

	Date	Time		Date	Time
1. Relinquished By: Gail C. Corbin EQ	4/18/07	1810	1. Received By: Rick Robison	4-18-07	1810
2. Relinquished By: Rick Robison	4-18-07	1925	2. Received By:	4/19/07	0645
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments
Temperatures may not meet requirements due to being collected late today. Cooler ID# 19, 20, 21, 22, 23

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL®**

Severn Trent Laboratories, Inc.

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STL-4124 (0901)

Client: EQM	Project Manager: John miller	Date: 4/18/07	Chain of Custody Number: 268908
Address: 1800 CARILLON BLVD	Telephone Number (Area Code)/Fax Number: 513 825 7500 (fax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP Ohio PN30240.0006	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 POH 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	metals	Special Instructions/ Conditions of Receipt
FWGWBGmw-007C-0439-GW	4/18/07	0920		X			10				1			X	X	X	X	X	X		
FWGWBGmw-007C-0439-GF	4/18/07	0920		X					1											X	Field Filtered
FWGBKGmw-020C-0417-GW	4/18/07	1125		X			10				1			X	X	X	X	X	X		
FWGBKGmw-020C-0417-GF	4/18/07	1125		X					1											X	Field Filtered

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other per SOW

QC Requirements (Specify): metals were field filtered

1. Relinquished By: Eric C. Corbin EQ	Date: 4/18/07	Time: 1810	1. Received By: Rick Rossano	Date: 4-18-07	Time: 1810
2. Relinquished By: Rick Rossano	Date: 4-18-07	Time: 1925	2. Received By:	Date: 4/19/07	Time: 0645
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: Cooler ID #9, 10

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
007C	<2 >12	4/19/07	gm
006C-407	<2 >12		
006C-435	<2 >12		
020	<2 >12		
013	<2 >12		
006C-438	<2 <2 <2 >12 >12 >12		
018	<2 >12		
Rinse 3	<2 >12		
019	<2 >12		
005	<2 >12		
016	<2 >12		

Cooler	Temp	Method	Coolant

Discrepancies Cont.

STL North Canton Multiple Cooler Form

Cooler	Temp	Method	Coolant	Comments
STL no #	1.9°C	IR	Ice	22
STL no #	2.9°C			21
STL no #	1.8°C			14
STL no #	3.3°C			15
STL no #	1.4°C			13
STL no #	2.6°C			20
STL no #	1.9°C			18
STL no #	1.5°C			16
STL no #	1.2°C			17
STL no #	3.6°C			11
STL no #	2.9°C			9
STL no #	1.7°C			23
STL no #	1.6°C			8
STL no #	3.2°C			10
STL no #	2.4°C			19
STL no #	2.3°C			12
Q118	2.6°C			

Revision 0, 09/19/01 DJL \\QCANOH01\public\QAQC\LAB_FORM\STL North Canton Multiple Cooler Form.doc

STL Cooler Receipt Form/Narrative **Lot Number:** 470190102

North Canton Facility

Client: EQM Project: Quote#:

Cooler Received on: 4/19/07 Opened on: 4/19/07 by: (Signature)

Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ STL Courier ☒

Stetson ☐ US Cargo ☐ Other:

STL Cooler No# See Attached Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 17
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☐ No ☐ NA ☒
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other :
6. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_20 Slurry ☐

COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH upon receipt? Yes ☒ No ☐ NA ☐
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a Trip Blank present in the cooler? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐

Concerning:

√	
	1. CHAIN OF CUSTODY
	The following discrepancies occurred:
	2. SAMPLE CONDITION
	Sample(s) _____ were received after the recommended holding time had expired.
	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #110106 - Sulfuric Acid Lot # 092006-H2SO4; Sodium Hydroxide Lot # -122805 -NaOH; Hydrochloric Acid Lot # 100504-HCl; Sodium Hydroxide and Zinc Acetate Lot # 050205-CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials
059	<2 >12	4/19/07	gm
012	<2 >12	"	"
009	<2 >12	"	"
DUP3	<2 >12	"	"

GCMS VOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-001 **Work Order #...:** JT7J71AA **Matrix.....:** WG
Date Sampled...: 04/17/07 18:55 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-001 **Work Order #...:** JT7J71AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 13:30 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.26 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	**0.81 J**	**1.0**	**ug/L**
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	92	(50 - 150)
4-Bromofluorobenzene	97	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(50 - 150)
1,2-Dichloroethane-d4	90	(50 - 150)
Toluene-d8	93	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-007 **Work Order #...:** JT7KL1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-007 **Work Order #...:** JT7KL1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	92	(50 - 150)
4-Bromofluorobenzene	96	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 09:20 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.26 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	93	(50 - 150)
Toluene-d8	98	(50 - 150)
4-Bromofluorobenzene	99	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-011 **Work Order #...:** JT7KV1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 17:10 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-011 **Work Order #...:** JT7KV1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	88	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AA **Matrix.....:** WG
Date Sampled...: 04/17/07 17:25 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	92	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	99	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AA **Matrix.....:** WG
Date Sampled...: 04/18/07 11:25 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	97	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K61AA **Matrix.....:** WG
Date Sampled...: 04/18/07 15:30 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.24 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K61AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	100	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	90	(50 - 150)
Toluene-d8	93	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 13:12 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**0.51 J**	**10**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	88	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	97	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AA **Matrix.....:** WQ
Date Sampled...: 04/18/07 13:20 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**1.1 J,B**	**2.0**	**ug/L**
Acetone	**4.2 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	**5.3 J**	**10**	**ug/L**
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.53 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AA **Matrix.....:** WG
Date Sampled...: 04/18/07 12:30 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(50 - 150)
1,2-Dichloroethane-d4	90	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	99	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AA **Matrix.....:** WG
Date Sampled...: 04/18/07 14:45 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AA **Matrix.....:** WG
Date Sampled...: 04/18/07 15:27 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

GC/MS Volatiles

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	88	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	97	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTeam1-TRIP0417

GC/MS Volatiles

Lot-Sample #...: A7D190102-031 **Work Order #...:** JT7L71AA **Matrix.....:** WQ
Date Sampled...: 04/17/07 08:00 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.33 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTeam1-TRIP0417

GC/MS Volatiles

Lot-Sample #...: A7D190102-031 **Work Order #...:** JT7L71AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM1

GC/MS Volatiles

Lot-Sample #...: A7D190102-032 **Work Order #...:** JT7L91AA **Matrix.....:** WQ
Date Sampled...: 04/18/07 08:00 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.36 J,B**	**2.0**	**ug/L**
Acetone	**1.1 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM1

GC/MS Volatiles

Lot-Sample #...: A7D190102-032 **Work Order #...:** JT7L91AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
Toluene-d8	93	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM2

GC/MS Volatiles

Lot-Sample #...: A7D190102-033 **Work Order #...:** JT7MA1AA **Matrix.....:** WQ
Date Sampled...: 04/18/07 08:00 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.31 J,B**	**2.0**	**ug/L**
Acetone	**1.1 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM2

GC/MS Volatiles

Lot-Sample #...: A7D190102-033 **Work Order #...:** JT7MA1AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
Toluene-d8	92	(50 - 150)
4-Bromofluorobenzene	97	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM3

GC/MS Volatiles

Lot-Sample #...: A7D190102-034 **Work Order #...:** JT7MC1AA **Matrix.....:** WQ
Date Sampled...: 04/18/07 08:00 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.34 J,B**	**2.0**	**ug/L**
Acetone	**1.2 J**	**10**	**ug/L**
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTRIP-TEAM3

GC/MS Volatiles

Lot-Sample #...: A7D190102-034 **Work Order #...:** JT7MC1AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(50 - 150)
1,2-Dichloroethane-d4	90	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\UXJ2615.D
Report Date: 16-Apr-2007 12:00

STL North Canton

RECOVERY REPORT

Client Name:
Sample Matrix: LIQUID
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: DOD-ck.spk
Sublist File: 4-8260+IX.sub
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\8260LLUX11.m
Misc Info: J70413B-IC,8260LLUX11,,43582,3

Client SDG: SDGa01304
Fraction: VOA

Operator: 43582
SampleType: METHSPIKE
Quant Type: ISTD

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17 1,1-Dichloroethene	10.000	9.288	92.88	45-155
	42 Trichloroethene	10.000	8.918	89.18	45-155
	59 Chlorobenzene	10.000	8.867	88.67	45-155
	50 Toluene	10.000	8.507	85.07	45-155
	41 Benzene	10.000	8.960	89.60	45-155
	16 Acetone	10.000	9.217	92.17	45-155
	20 Carbon Disulfide	10.000	9.510	95.10	45-155
	9 Chloromethane	10.000	8.484	84.84	45-155
	11 Bromomethane	10.000	7.729	77.29	45-155
	10 Vinyl Chloride	10.000	8.745	87.45	45-155
	12 Chloroethane	10.000	8.429	84.29	45-155
	21 Methylene Chloride	10.000	8.364	83.64	45-155
	28 1,1-Dichloroethane	10.000	9.131	91.31	45-155
M	31 1,2-Dichloroethene	20.000	18.051	90.25	45-155
	35 Chloroform	10.000	9.220	92.20	45-155
	40 1,2-Dichloroethane	10.000	9.127	91.27	45-155
	30 2-Butanone	10.000	10.008	100.08	45-155
	37 1,1,1-Trichloroeth	10.000	9.366	93.66	45-155
	39 Carbon Tetrachlori	10.000	9.622	96.22	45-155
	46 Bromodichlorometha	10.000	9.174	91.74	45-155
	43 1,2-Dichloropropan	10.000	9.241	92.41	45-155
	48 cis-1,3-Dichloropr	10.000	8.732	87.32	45-155
	54 1,3-Dichloropropan	10.000	8.820	88.20	45-155
	57 Dibromochlorometha	10.000	9.223	92.23	45-155
	53 1,1,2-Trichloroeth	10.000	8.824	88.24	45-155
	51 trans-1,3-Dichloro	10.000	8.658	86.58	45-155
	66 Bromoform	10.000	9.264	92.64	45-155
	49 4-Methyl-2-pentano	10.000	9.459	94.59	45-155
	56 2-Hexanone	10.000	9.600	96.00	45-155
	55 Tetrachloroethene	10.000	8.641	86.41	45-155
	68 1,1,2,2-Tetrachlor	10.000	9.091	90.91	45-155
	61 Ethylbenzene	10.000	9.131	91.31	45-155
	65 Styrene	10.000	8.913	89.13	45-155
M	63 Xylenes (total)	30.000	27.454	91.51	45-155
	32 cis-1,2-dichloroet	10.000	8.928	89.29	45-155
	25 trans-1,2-Dichloro	10.000	9.122	91.22	45-155
	8 Dichlorodifluorome	10.000	6.922	69.22	45-155
	13 Trichlorofluoromet	10.000	8.853	88.53	45-155
	70 1,2,3-Trichloropro	10.000	10.756	107.56	45-155
	18 Freon-113	10.000	10.156	101.56	45-155

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\UXJ2615.D
Report Date: 16-Apr-2007 12:00

	SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
24	Methyl tert-butyl	10.000	8.892	88.92	45-155
58	1,2-Dibromoethane	10.000	9.090	90.90	45-155
67	Isopropylbenzene	10.000	9.875	98.75	45-155
80	1,3-Dichlorobenzen	10.000	8.711	87.11	45-155
81	1,4-Dichlorobenzen	10.000	8.965	89.65	45-155
83	1,2-Dichlorobenzen	10.000	8.736	87.36	45-155
84	1,2-Dibromo-3-chlo	10.000	9.678	96.78	45-155
85	1,2,4-Trichloroben	10.000	8.805	88.05	45-155
98	Cyclohexane	10.000	9.298	92.98	45-155
143	Methyl Acetate	10.000	9.606	96.06	45-155
144	Methylcyclohexane	10.000	8.995	89.95	45-155
71	Bromobenzene	10.000	9.224	92.24	45-155
34	Bromochloromethane	10.000	9.710	97.10	45-155
82	n-Butylbenzene	10.000	9.157	91.57	45-155
78	sec-Butylbenzene	10.000	9.143	91.43	45-155
76	tert-Butylbenzene	10.000	9.065	90.65	45-155
73	2-Chlorotoluene	10.000	9.054	90.54	45-155
75	4-Chlorotoluene	10.000	9.350	93.50	45-155
45	Dibromomethane	10.000	9.378	93.78	45-155
33	2,2-Dichloropropan	10.000	9.036	90.36	45-155
38	1,1-Dichloropropen	10.000	9.211	92.11	45-155
86	Hexachlorobutadien	10.000	8.538	85.38	45-155
19	Iodomethane	10.000	9.758	97.58	45-155
92	Isopropyl Ether	10.000	9.769	97.69	45-155
79	4-Isopropyltoluene	10.000	9.392	93.92	45-155
87	Naphthalene	10.000	8.748	87.48	45-155
72	n-Propylbenzene	10.000	9.401	94.01	45-155
60	1,1,1,2-Tetrachlor	10.000	9.318	93.18	45-155
88	1,2,3-Trichloroben	10.000	7.481	74.81	45-155
77	1,2,4-Trimethylben	10.000	9.236	92.36	45-155
74	1,3,5-Trimethylben	10.000	9.214	92.14	45-155
150	Vinyl Acetate-86	10.000	9.928	99.28	45-155
62	m + p-Xylene	20.000	18.316	91.58	45-155
64	Xylene-o	10.000	9.137	91.37	45-155

	SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4	Dibromofluorometha	10.000	9.557	95.57	73-122
$ 5	1,2-Dichloroethane	10.000	9.377	93.77	61-128
$ 6	Toluene-d8	10.000	9.120	91.20	76-110
$ 7	Bromofluorobenzene	10.000	9.456	94.56	74-116

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2765.D
Report Date: 25-Apr-2007 09:24

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ2765.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\8260LLUX11.m

Injection Date: 25-APR-2007 08:19
Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Init. Cal. Times: 11:08 22:52
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.20297	0.19814	0.19814	0.010	2.37719	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.28637	0.26529	0.26529	0.010	7.35938	50.00000	Averaged	
$ 6 Toluene-d8	1.11379	1.08736	1.08736	0.010	2.37357	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.41523	0.41922	0.41922	0.010	-0.96128	50.00000	Averaged	
8 Dichlorodifluoromethane	0.27072	0.26761	0.26761	0.010	1.14876	50.00000	Averaged	
9 Chloromethane	0.39564	0.40947	0.40947	0.100	[illegible]	50.00000	Averaged	
10 Vinyl Chloride	0.40012	0.38916	0.38916	0.010	[illegible]	20.00000	Averaged	
11 Bromomethane	0.22896	0.24431	0.24431	0.010	[illegible]	50.00000	Averaged	
12 Chloroethane	0.24548	0.25963	0.25963	0.010	[illegible]	50.00000	Averaged	
13 Trichlorofluoromethane	0.42317	0.45187	0.45187	0.010	-6.78273	50.00000	Averaged	
15 Acrolein	0.04093	0.03992	0.03992	0.010	2.46556	50.00000	Averaged	
16 Acetone	100	121	0.11716	0.010	[illegible]	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.27855	0.26786	0.26786	0.010	[illegible]	20.00000	Averaged	
18 Freon-113	0.22289	0.21391	0.21391	0.010	4.02930	50.00000	Averaged	
19 Iodomethane	0.45809	0.42617	0.42617	0.010	6.96898	50.00000	Averaged	
20 Carbon Disulfide	0.90834	0.82807	0.82807	0.010	[illegible]	50.00000	Averaged	
21 Methylene Chloride	0.32910	0.31324	0.31324	0.010	[illegible]	50.00000	Averaged	
22 Acetonitrile	0.03890	0.04034	0.04034	0.010	-3.70970	50.00000	Averaged	
23 Acrylonitrile	0.10366	0.10048	0.10048	0.010	3.07101	50.00000	Averaged	
24 Methyl tert-butyl ether	0.80550	0.71234	0.71234	0.010	11.56483	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.28249	0.25889	0.25889	0.010	8.35385	50.00000	Averaged	
26 Hexane	0.05591	0.05313	0.05313	0.010	4.97134	20.00000	Averaged	
27 Vinyl acetate	0.39085	0.25772	0.25772	0.010	34.06236	50.00000	Averaged	
28 1,1-Dichloroethane	0.41072	0.41585	0.41585	0.100	[illegible]	50.00000	Averaged	
29 tert-Butyl Alcohol	0.02250	0.01670	0.01670	0.010	25.77537	50.00000	Averaged	
30 2-Butanone	0.11207	0.11572	0.11572	0.010	[illegible]	50.00000	Averaged	
M 31 2,2-Dichloroethene (total)	0.26268	0.25323	0.25323	0.010	[illegible]	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.24287	0.24757	0.24757	0.010	-1.93587	50.00000	Averaged	
33 2,2-Dichloropropane	0.23560	0.13902	0.13902	0.010	40.99518	50.00000	Averaged	
34 Bromochloromethane	0.11503	0.11851	0.11851	0.010	[illegible]	50.00000	Averaged	
35 Chloroform	0.40721	0.39002	0.39002	0.010	[illegible]	20.00000	Averaged	
36 Tetrahydrofuran	0.07164	0.06904	0.06904	0.010	3.62555	50.00000	Averaged	
37 1,1,1-Trichloroethane	0.29574	0.25212	0.25212	0.010	[illegible]	50.00000	Averaged	
38 1,1-Dichloropropene	0.32819	0.31247	0.31247	0.010	4.79037	50.00000	Averaged	
39 Carbon Tetrachloride	0.20937	0.16370	0.16370	0.010	[illegible]	50.00000	Averaged	
40 1,2-Dichloroethane	0.36436	0.33360	0.33360	0.010	[illegible]	50.00000	Averaged	
41 Benzene	1.01912	0.96949	0.96949	0.010	[illegible]	50.00000	Averaged	
42 Trichloroethene	0.25900	0.23623	0.23623	0.010	[illegible]	50.00000	Averaged	
43 1,2-Dichloropropane	0.26721	0.23625	0.23625	0.010	[illegible]	20.00000	Averaged	
44 1,4-Dioxane	0.00229	0.00199	0.00199	0.010	13.12669	50.00000	Averaged	<-
45 Dibromomethane	0.16015	0.13409	0.13409	0.010	16.26786	50.00000	Averaged	
46 Bromodichloromethane	0.29254	0.23751	0.23751	0.010	[illegible]	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.17976	0.12128	0.12128	0.010	32.52997	50.00000	Averaged	

161.5553
[illegible] = 8.077
20

161.5553830

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2765.D
Report Date: 25-Apr-2007 09:24

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ2765.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\8260LLUX11.m

Injection Date: 25-APR-2007 08:19
Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Init. Cal. Times: 11:08 22:52
Quant Type: ISTD

			CCAL	MIN		MAX	
COMPOUND	RRF / AMOUNT	RF50	RRF50	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
48 [illegible]	0.42430	0.29184	0.29184	0.010	[illegible]	50.00000	Averaged
49 [illegible]	0.26133	0.21070	0.21070	0.010	[illegible]	50.00000	Averaged
50 [illegible]	1.42103	1.34365	1.34365	0.010	[illegible]	20.00000	Averaged
51 [illegible]	0.45001	0.29652	0.29652	0.010	[illegible]	50.00000	Averaged
52 Ethyl Methacrylate	0.40452	0.26128	0.26128	0.010	35.40946	50.00000	Averaged
53 [illegible]	0.28506	0.25624	0.25624	0.010	[illegible]	50.00000	Averaged
54 1,3-Dichloropropane	0.54779	0.49615	0.49615	0.010	9.42618	50.00000	Averaged
55 [illegible]	0.25894	0.25148	0.25148	0.010	[illegible]	50.00000	Averaged
56 [illegible]	0.19712	0.18632	0.18632	0.010	[illegible]	50.00000	Averaged
57 [illegible]	0.21782	0.19483	0.19483	0.010	[illegible]	50.00000	Averaged
58 [illegible]	0.28192	0.25102	0.25102	0.010	[illegible]	50.00000	Averaged
59 [illegible]	0.93614	0.86356	0.86356	0.300	[illegible]	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.24369	0.18157	0.18157	0.010	25.49061	50.00000	Averaged
61 [illegible]	0.51241	0.46153	0.46153	0.010	[illegible]	20.00000	Averaged
62 m + p-Xylene	0.61907	0.59631	0.59631	0.010	3.67645	50.00000	Averaged
M 63 [illegible]	0.60660	0.58959	0.58959	0.010	[illegible]	50.00000	Averaged
64 Xylene-o	0.58164	0.57613	0.57613	0.010	0.94802	50.00000	Averaged
65 [illegible]	1.01954	1.00096	1.00096	0.010	[illegible]	50.00000	Averaged
66 [illegible]	0.10876	0.10163	0.10163	0.100	[illegible]	50.00000	Averaged
67 Isopropylbenzene	1.38900	1.36096	1.36096	0.010	2.01887	50.00000	Averaged
68 [illegible]	0.67256	0.62786	0.62786	0.300	[illegible]	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.20651	0.15172	0.15172	0.010	26.53120	50.00000	Averaged
70 1,2,3-Trichloropropane	0.20152	0.18345	0.18345	0.010	8.96688	50.00000	Averaged
71 Bromobenzene	0.71748	0.65616	0.65616	0.010	8.54714	50.00000	Averaged
72 n-Propylbenzene	0.79924	0.70257	0.70257	0.010	12.09481	50.00000	Averaged
73 2-Chlorotoluene	0.71510	0.63422	0.63422	0.010	11.30968	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.45929	2.17597	2.17597	0.010	11.52059	50.00000	Averaged
75 4-Chlorotoluene	0.73494	0.65991	0.65991	0.010	10.20855	50.00000	Averaged
76 tert-Butylbenzene	2.09012	1.92121	1.92121	0.010	8.08139	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.58051	2.38253	2.38253	0.010	7.67203	50.00000	Averaged
78 sec-Butylbenzene	3.00818	2.77388	2.77388	0.010	7.78866	50.00000	Averaged
79 4-Isopropyltoluene	2.50489	2.38125	2.38125	0.010	4.93614	50.00000	Averaged
80 1,3-Dichlorobenzene	1.40543	1.36574	1.36574	0.010	2.82394	50.00000	Averaged
81 1,4-Dichlorobenzene	1.44164	1.41832	1.41832	0.010	1.61735	50.00000	Averaged
82 n-Butylbenzene	2.29208	2.22978	2.22978	0.010	2.71772	50.00000	Averaged
83 1,2-Dichlorobenzene	1.35040	1.38363	1.38363	0.010	-2.46057	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.09945	0.08462	0.08462	0.010	14.91215	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.82301	0.94862	0.94862	0.010	-15.26234	50.00000	Averaged
86 Hexachlorobutadiene	0.30978	0.31847	0.31847	0.010	-2.80744	50.00000	Averaged
87 Naphthalene	50.00000	56.72449	2.41582	0.010	-13.44897	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	50.00000	63.23359	0.91754	0.010	-26.46718	0.000e+000	Wt Linear
98 Cyclohexane	0.40101	0.40674	0.40674	0.010	-1.42786	50.00000	Averaged
143 Methyl Acetate	0.23300	0.21310	0.21310	0.010	8.54136	50.00000	Averaged

$\frac{165.63813}{15} = 11.04$

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2765.D
Report Date: 25-Apr-2007 09:24

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i
Lab File ID: UXJ2765.D
Analysis Type: WATER
Lab Sample ID: 50NG-CC
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\8260LLUX11.m

Injection Date: 25-APR-2007 08:19
Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Init. Cal. Times: 11:08 22:52
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.38123	0.34839	0.34839	0.010	8.61460	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.92814	0.99748	0.99748	0.010	-7.47025	50.00000	Averaged
150 Vinyl Acetate-86	0.03697	0.02723	0.02723	0.010	26.36304	50.00000	Averaged

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b/UXJ2770.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2770.D
Analysis Type: WATER

Injection Date: 25-APR-2007 10:12
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A

QCMRL Opener

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	1,3,5-Trichlorobenzene	5.0000	5.0837	1.7	50.0	
0	Methylcyclohexane	5.0000	4.4340	11.3	50.0	
0	Methyl Acetate	10.0000	11.1344	11.3	50.0	
0	Cyclohexane	5.0000	4.7540	4.9	50.0	
0	Dichlorodifluoromethane	5.0000	4.5859	8.3	50.0	
0	[redacted]	5.0000	5.8210	[redacted]	50.0	
0	[redacted]	5.0000	4.6708	[redacted]	20.0	
0	[redacted]	5.0000	6.5724	[redacted]	50.0	%R = 131.448
0	[redacted]	5.0000	5.3096	[redacted]	50.0	
0	Trichlorofluoromethane	5.0000	4.8046	3.9	50.0	
0	Acrolein	50.0000	41.8702	16.3	50.0	
0	[redacted]	10.0000	7.2182	[redacted]	50.0	
0	[redacted]	5.0000	4.7404	[redacted]	20.0	
0	Freon-113	5.0000	4.4960	10.1	50.0	
0	Iodomethane	5.0000	4.5146	9.7	50.0	
0	[redacted]	5.0000	4.4160	[redacted]	50.0	
0	[redacted]	5.0000	6.8792	[redacted]	50.0	%R = 137.58
0	Acetonitrile	50.0000	49.0332	1.9	50.0	
0	Acrylonitrile	50.0000	46.2308	7.5	50.0	
0	Methyl tert-butyl ether	5.0000	4.2504	15.0	50.0	
0	trans-1,2-Dichloroethene	5.0000	5.0443	0.9	50.0	
0	Hexane	5.0000	5.0417	0.8	20.0	
0	1,2,3-Trichlorobenzene	5.0000	10.5110	110.2	50.0	<-
0	[redacted]	5.0000	4.8556	[redacted]	50.0	
0	tert-Butyl Alcohol	100.0000	86.0483	14.0	50.0	
0	[redacted]	10.0000	10.5335	[redacted]	50.0	
0	[redacted]	10.0000	9.7136	[redacted]	50.0	
0	cis-1,2-dichloroethene	5.0000	4.6693	6.6	50.0	
0	2,2-Dichloropropane	5.0000	3.3111	33.8	50.0	
0	[redacted]	5.0000	5.1283	[redacted]	50.0	
0	[redacted]	5.0000	4.8672	[redacted]	20.0	
0	Tetrahydrofuran	5.0000	4.3238	13.5	50.0	
0	[redacted]	5.0000	4.2342	[redacted]	50.0	
0	1,1-Dichloropropene	5.0000	4.7991	4.0	50.0	
0	[redacted]	5.0000	3.1816	[redacted]	50.0	63.63 = %R
0	[redacted]	5.0000	4.5738	[redacted]	50.0	

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Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b/UXJ2770.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2770.D
Analysis Type: WATER

Injection Date: 25-APR-2007 10:12
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0 Benzene	5.0000	4.7090	5.8	50.0	
0 Trichloroethene	5.0000	4.8851	2.3	50.0	
0 1,2-Dichloropropane	5.0000	4.6656	6.7	20.0	
0 Naphthalene	5.0000	7.6234	52.5	50.0	<-
0 Dibromomethane	5.0000	4.3224	13.6	50.0	
0 Bromodichloromethane	5.0000	3.7077	25.8	50.0	
0 2-Chloroethyl vinyl ether	10.0000	7.4052	25.9	50.0	
0 cis-1,3-Dichloropropene	5.0000	3.1707	36.6	50.0	%R = 63.4
0 4-Methyl-2-pentanone	10.0000	7.1306	28.7	50.0	
0 Toluene	5.0000	4.8403	3.2	20.0	
0 trans-1,3-Dichloropropene	5.0000	2.6933	46.1	50.0	%R = 53.9
0 Ethyl Methacrylate	5.0000	3.0318	39.4	50.0	
0 1,1,2-Trichloroethane	5.0000	4.5107	9.8	50.0	
0 1,3-Dichloropropane	5.0000	4.7798	4.4	50.0	
0 Tetrachloroethene	5.0000	4.4461	11.1	50.0	
0 2-Hexanone	10.0000	8.8624	11.4	50.0	
0 Dibromochloromethane	5.0000	3.2906	34.2	50.0	%R = 65.81
0 1,2-Dibromoethane	5.0000	4.2232	15.5	50.0	
0 Chlorobenzene	5.0000	4.6866	6.3	50.0	
0 1,1,1,2-Tetrachloroethane	5.0000	2.8942	42.1	50.0	
0 Ethylbenzene	5.0000	4.7024	5.9	20.0	
0 m + p-Xylene	10.0000	8.6639	13.4	50.0	
0 Xylenes (total)	15.0000	13.3743	10.8	50.0	
0 Xylene-o	5.0000	4.7104	5.8	50.0	
0 Styrene	5.0000	4.6404	7.2	50.0	
0 Bromoform	5.0000	3.4117	31.8	50.0	%R = 68.2
0 Isopropylbenzene	5.0000	4.8725	2.6	50.0	
0 1,1,2,2-Tetrachloroethane	5.0000	4.3207	13.6	50.0	
0 1,4-Dichloro-2-butene	5.0000	0.0000	100.0	50.0	<- NR
0 1,2,3-Trichloropropane	5.0000	4.2822	14.4	50.0	
0 Bromobenzene	5.0000	0.0000	100.0	50.0	<- NR
0 n-Propylbenzene	5.0000	3.8793	22.4	50.0	
0 2-Chlorotoluene	5.0000	4.1354	17.3	50.0	
0 1,3,5-Trimethylbenzene	5.0000	4.0204	19.6	50.0	
0 4-Chlorotoluene	5.0000	4.1177	17.6	50.0	
0 tert-Butylbenzene	5.0000	3.9941	20.1	50.0	
0 1,2,4-Trimethylbenzene	5.0000	3.9314	21.4	50.0	
0 sec-Butylbenzene	5.0000	4.1533	16.9	50.0	
0 4-Isopropyltoluene	5.0000	4.0652	18.7	50.0	

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Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b/UXJ2770.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2770.D
Analysis Type: WATER

Injection Date: 25-APR-2007 10:12
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.6152	7.7	50.0	
0	1,4-Dichlorobenzene	5.0000	4.5457	9.1	50.0	
0	n-Butylbenzene	5.0000	4.2632	14.7	50.0	
0	1,2-Dichlorobenzene	5.0000	4.8608	2.8	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	3.1987	36.0	50.0	
0	1,2,4-Trichlorobenzene	5.0000	5.6544	13.1	50.0	
0	Hexachlorobutadiene	5.0000	5.2203	4.4	50.0	
42	Vinyl acetate	5.0000	3.2958	34.1	50.0	
59	1,4-Dioxane	250.0000	162.1204	35.2	50.0	
150	Vinyl Acetate-86	5.0000	2.1108	57.8	50.0	<-
0	1,2-Dichloroethane-d4	5.0000	44.6810	793.6	50.0	<-
0	Dibromofluoromethane	5.0000	48.3557	867.1	50.0	<-
0	Toluene-d8	5.0000	47.5293	850.6	50.0	<-
0	Bromofluorobenzene	5.0000	50.5476	911.0	50.0	<-

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b/UXJ2793.D
Report Date: 04/26/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2793.D
Analysis Type: WATER

Injection Date: 25-APR-2007 18:52
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A

QCMRL
Closing

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	1,3,5-Trichlorobenzene	5.0000	5.5680	11.4	50.0	
0	Methylcyclohexane	5.0000	4.3849	12.3	50.0	
0	Methyl Acetate	10.0000	10.6713	6.7	50.0	
0	Cyclohexane	5.0000	4.7039	5.9	50.0	
0	Dichlorodifluoromethane	5.0000	4.3626	12.7	50.0	
0	Chloromethane	5.0000	5.0541	[illegible]	50.0	
0	Vinyl Chloride	5.0000	4.0239	[illegible]	20.0	
0	Bromomethane	5.0000	5.0812	[illegible]	50.0	
0	Chloroethane	5.0000	6.0206	[illegible]	50.0	
0	Trichlorofluoromethane	5.0000	4.5106	9.8	50.0	
0	Acrolein	50.0000	47.0435	5.9	50.0	
0	Acetone	10.0000	9.3358	[illegible]	50.0	
0	1,1-Dichloroethene	5.0000	4.2356	[illegible]	20.0	
0	Freon-113	5.0000	4.9073	1.9	50.0	
0	Iodomethane	5.0000	4.5783	8.4	50.0	
0	Carbon Disulfide	5.0000	4.7348	[illegible]	50.0	
0	Methylene Chloride	5.0000	6.1972	[illegible]	50.0	
0	Acetonitrile	50.0000	58.7891	17.6	50.0	
0	Acrylonitrile	50.0000	51.2557	2.5	50.0	
0	Methyl tert-butyl ether	5.0000	5.0247	0.5	50.0	
0	trans-1,2-Dichloroethene	5.0000	5.0176	[illegible]	50.0	
0	Hexane	5.0000	2.8536	42.9	20.0	<-
0	1,2,3-Trichlorobenzene	5.0000	9.9032	98.1	50.0	<-
0	1,1-Dichloroethane	5.0000	4.7953	[illegible]	50.0	
0	tert-Butyl Alcohol	100.0000	97.4631	2.5	50.0	
0	2-Butanone	10.0000	10.5080	[illegible]	50.0	
0	1,2-Dichloroethene (total)	10.0000	9.8401	[illegible]	50.0	
0	cis-1,2-dichloroethene	5.0000	4.8225	3.6	50.0	
0	2,2-Dichloropropane	5.0000	3.0924	38.2	50.0	
0	Bromochloromethane	5.0000	4.6800	[illegible]	50.0	
0	Chloroform	5.0000	4.9673	[illegible]	20.0	
0	Tetrahydrofuran	5.0000	6.0564	21.1	50.0	
0	1,1,1-Trichloroethane	5.0000	3.6168	[illegible]	50.0	
0	1,1-Dichloropropene	5.0000	4.7943	4.1	50.0	
0	Carbon Tetrachloride	5.0000	2.5731	[illegible]	50.0	%R = 51.5%
0	1,2-Dichloroethane	5.0000	4.9816	[illegible]	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b/UXJ2793.D
Report Date: 04/26/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2793.D
Analysis Type: WATER

Injection Date: 25-APR-2007 18:52
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	4.9472	1.1	50.0	
0	Trichloroethene	5.0000	4.4873	10.3	50.0	
0	1,2-Dichloropropane	5.0000	4.7560	4.9	20.0	
0	Naphthalene	5.0000	7.7239	54.5	50.0	<-
0	Dibromomethane	5.0000	4.4330	11.3	50.0	
0	Bromodichloromethane	5.0000	3.0569	38.9	50.0	%D = 61.1 %
0	2-Chloroethyl vinyl ether	10.0000	7.6004	24.0	50.0	
0	cis-1,3-Dichloropropene	5.0000	2.8044	43.9	50.0	%DR = 56.1
0	4-Methyl-2-pentanone	10.0000	7.2388	27.6	50.0	
0	Toluene	5.0000	4.6106	7.8	20.0	
0	trans-1,3-Dichloropropene	5.0000	2.3080	53.8	50.0	<- %DR = 46.2
0	Ethyl Methacrylate	5.0000	2.8145	43.7	50.0	
0	1,1,2-Trichloroethane	5.0000	4.3551	12.9	50.0	
0	1,3-Dichloropropane	5.0000	4.6065	7.9	50.0	
0	Tetrachloroethene	5.0000	4.7489	5.0	50.0	
0	2-Hexanone	10.0000	8.3704	16.3	50.0	
0	Dibromochloromethane	5.0000	2.8315	43.4	50.0	%DR = 56.6
0	1,2-Dibromoethane	5.0000	3.4806	30.4	50.0	%DR = 69.6
0	Chlorobenzene	5.0000	4.9898	0.2	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	2.0527	58.9	50.0	<-
0	Ethylbenzene	5.0000	4.2944	14.1	20.0	
0	m + p-Xylene	10.0000	8.6862	13.1	50.0	
0	Xylenes (total)	15.0000	12.9765	13.5	50.0	
0	Xylene-o	5.0000	4.2904	14.2	50.0	
0	Styrene	5.0000	4.3182	13.6	50.0	
0	Bromoform	5.0000	2.2457	55.1	50.0	<- %DR = 44.9
0	Isopropylbenzene	5.0000	4.3391	13.2	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	3.9007	22.0	50.0	
0	1,4-Dichloro-2-butene	5.0000	0.0000	100.0	50.0	<- NR
0	1,2,3-Trichloropropane	5.0000	4.3429	13.1	50.0	
0	Bromobenzene	5.0000	0.0000	100.0	50.0	<- NR
0	n-Propylbenzene	5.0000	4.5613	8.8	50.0	
0	2-Chlorotoluene	5.0000	4.2855	14.3	50.0	
0	1,3,5-Trimethylbenzene	5.0000	3.9603	20.8	50.0	
0	4-Chlorotoluene	5.0000	4.3464	13.1	50.0	
0	tert-Butylbenzene	5.0000	4.0148	19.7	50.0	
0	1,2,4-Trimethylbenzene	5.0000	4.1253	17.5	50.0	
0	sec-Butylbenzene	5.0000	4.2292	15.4	50.0	
0	4-Isopropyltoluene	5.0000	4.2408	15.2	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b/UXJ2793.D
Report Date: 04/26/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2793.D
Analysis Type: WATER

Injection Date: 25-APR-2007 18:52
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.4009	12.0	50.0	
0	1,4-Dichlorobenzene	5.0000	5.0563	1.1	50.0	
0	n-Butylbenzene	5.0000	4.3136	13.7	50.0	
0	1,2-Dichlorobenzene	5.0000	5.3380	6.8	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	2.0278	59.4	50.0	<-
0	1,2,4-Trichlorobenzene	5.0000	5.1404	2.8	50.0	
0	Hexachlorobutadiene	5.0000	5.3048	6.1	50.0	
42	Vinyl acetate	5.0000	2.3332	53.3	50.0	<-
59	1,4-Dioxane	250.0000	214.8945	14.0	50.0	
150	Vinyl Acetate-86	5.0000	2.1902	56.2	50.0	<-
0	1,2-Dichloroethane-d4	5.0000	44.9356	798.7	50.0	<-
0	Dibromofluoromethane	5.0000	45.8044	816.1	50.0	<-
0	Toluene-d8	5.0000	47.3379	846.8	50.0	<-
0	Bromofluorobenzene	5.0000	49.0987	882.0	50.0	<-

Method Blank Outlier Report

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN

Analysis Method : 8260B **Analysis Date :** 04/25/2007

Preparation Type : 5030B **Preparation Date :** 04/25/2007

Method Blank Lab Sample ID : A7D250000159B **Preparation Batch :** 7115159

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.53	2.0	ug/L	J	Common Contaminant

Result less than 1/2 MRL, acceptable per LCS, NO qual thru 6/15

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-012C-0410-G	A7D190102003	1	0.26	J B	ug/L
FWGBKGmw-013C-0411-G	A7D190102017	1	0.24	J B	ug/L
FWGEQUIPRinse3-0458-GW	A7D190102023	1	1.1	J B	ug/L
FWGTeam1-TRIP0417	A7D190102031	1	0.33	J B	ug/L
FWGTRIP-TEAM1	A7D190102032	1	0.36	J B	ug/L
FWGTRIP-TEAM2	A7D190102033	1	0.31	J B	ug/L
FWGTRIP-TEAM3	A7D190102034	1	0.34	J B	ug/L
FWGWBGmw-007C-0439-G	A7D190102009	1	0.26	J B	ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 **Work Order #...:** JVK1V1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D250000-159

Prep Date.....: 04/25/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/25/07 **Prep Batch #...:** 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	**0.53 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	86	(50 - 150)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 Work Order #...: JVK1V1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Toluene-d8	94	(50 - 150)		
4-Bromofluorobenzene	96	(50 - 150)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

QC Outlier Report: Trip Blank

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN
Method/Preparation Batch : 7115159 / 7115159 **Analysis Date :** 04/25/2007
Client Sample ID : FWGTeam1-TRIP0417 **Preparation Date :** 04/25/2007
Lab Sample ID : A7D190102031 **Preparation Type :** 5030B

Analysis Method : 8260B

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result:	0.33	2.0	ug/L	J B	Common Contaminant

Methylene chloride contamination found in the trip blank did not qualify any samples.

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team1	1.1	10	ug/L	J	Common Contaminant

result less than ½ MRL, acceptable per LCG, NO qual

Acetone was qualified due to trip blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGEQUIPRinse3-0458-GW	A7D190102023	1	4.2	J	ug/L

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team1	0.36	2.0	ug/L	J B	Common Contaminant

result less than ½ MRL, acceptable per LCG, NO qual

Methylene chloride was qualified due to trip blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGEQUIPRinse3-0458-GW	A7D190102023	1	1.1	J B	ug/L

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team2	1.1	10	ug/L	J	Common Contaminant

Acetone contamination found in the trip blank did not qualify any samples.

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team2	0.31	2.0	ug/L	J B	Common Contaminant

result was less than ½ MRL, acceptable per LCG, No qual

Methylene chloride was qualified due to trip blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-012C-0410-G	A7D190102003	1	0.26	J B	ug/L
FWGBKGmw-013C-0411-G	A7D190102017	1	0.24	J B	ug/L
FWGWBGmw-007C-0439-G	A7D190102009	1	0.26	J B	ug/L

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team3	1.2	10	ug/L	J	Common Contaminant

QC Outlier Report: Trip Blank

Lab Reporting Batch : A7D190102
Lab ID: STLCAN
Method/Preparation Batch : 7115159 / 7115159
Analysis Date : 04/25/2007
Client Sample ID : FWGTRIP-TEAM3
Preparation Date : 04/25/2007
Lab Sample ID : A7D190102034
Preparation Type : 5030B

Analysis Method : 8260B

Acetone contamination found in the trip blank did not qualify any samples.

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team 3	0.34	2.0	ug/L	J B	Common Contaminant

Methylene chloride contamination found in the trip blank did not qualify any samples.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7115159 **Analysis Method :** 8260B **Analysis Date :** 04/25/2007

Preparation Batch : 7115159 **Preparation Type :** 5030B **Preparation Date :** 04/25/2007

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
A7D250000159C	AQ	cis-1,3-Dichloropropene	69		30.00	73.00	132.00	30.00
		trans-1,3-Dichloropropene	64		30.00	74.00	131.00	30.00
A7D250000159L		cis-1,3-Dichloropropene	63	9.0	30.00	73.00	132.00	30.00
		trans-1,3-Dichloropropene	63	2.5	30.00	74.00	131.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGBKGmw-005C-0406-GW	A7D190102027
FWGBKGmw-006C-0407-GW	A7D190102011
FWGBKGmw-012C-0410-GW	A7D190102003
FWGBKGmw-013C-0411-GW	A7D190102017
FWGBKGmw-016C-0413-GW	A7D190102029
FWGBKGmw-018C-0415-GW	A7D190102021
FWGBKGmw-019C-0416-GW	A7D190102025
FWGBKGmw-020C-0417-GW	A7D190102015
FWGCBPmw-006C-0435-GW	A7D190102013
FWGEQUIPRinse3-0458-GW	A7D190102023
FWGLL2mw-059C-0422-GW	A7D190102001
FWGTeam1-TRIP0417	A7D190102031
FWGTRIP-TEAM1	A7D190102032
FWGTRIP-TEAM2	A7D190102033
FWGTRIP-TEAM3	A7D190102034
FWGWBGmw-006C-0438-GW	A7D190102019
FWGWBGmw-007C-0439-GW	A7D190102009
FWGWBGmw-009C-0440-GW	A7D190102005
FWGWBGmw-DUP3-0451-GW	A7D190102007

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 **Work Order #...:** JVK1V1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D250000-159 JVK1V1AD-LCSD
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	85	(75 - 127)			SW846 8260B
	81	(75 - 127)	5.3	(0-30)	SW846 8260B
Chloromethane	93	(58 - 135)			SW846 8260B
	85	(58 - 135)	9.3	(0-30)	SW846 8260B
Bromomethane	91	(35 - 153)			SW846 8260B
	85	(35 - 153)	7.2	(0-30)	SW846 8260B
Vinyl chloride	86	(73 - 134)			SW846 8260B
	83	(73 - 134)	2.5	(0-30)	SW846 8260B
Chloroethane	98	(72 - 129)			SW846 8260B
	92	(72 - 129)	6.4	(0-30)	SW846 8260B
Methylene chloride	90	(69 - 118)			SW846 8260B
	84	(69 - 118)	6.4	(0-30)	SW846 8260B
Acetone	75	(51 - 157)			SW846 8260B
	81	(51 - 157)	8.2	(0-30)	SW846 8260B
Carbon disulfide	97	(74 - 123)			SW846 8260B
	94	(74 - 123)	4.1	(0-30)	SW846 8260B
1,1-Dichloroethene	**95**	**(75 - 125)**			**SW846 8260B**
	91	**(75 - 125)**	**3.4**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	104	(75 - 133)			SW846 8260B
	94	(75 - 133)	9.3	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	98	(85 - 111)			SW846 8260B
	93	(85 - 111)	4.9	(0-30)	SW846 8260B
Chloroform	96	(74 - 127)			SW846 8260B
	90	(74 - 127)	7.0	(0-30)	SW846 8260B
1,2-Dichloroethane	94	(67 - 132)			SW846 8260B
	88	(67 - 132)	5.9	(0-30)	SW846 8260B
2-Butanone	106	(45 - 150)			SW846 8260B
	104	(45 - 150)	2.3	(0-30)	SW846 8260B
1,1,1-Trichloroethane	85	(70 - 127)			SW846 8260B
	81	(70 - 127)	4.6	(0-30)	SW846 8260B
Carbon tetrachloride	75	(71 - 132)			SW846 8260B
	76	(71 - 132)	0.34	(0-30)	SW846 8260B
Bromodichloromethane	83	(70 - 130)			SW846 8260B
	74	(70 - 130)	11	(0-30)	SW846 8260B
1,2-Dichloropropane	91	(75 - 127)			SW846 8260B
	87	(75 - 127)	4.4	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 **Work Order #...:** JVK1V1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D250000-159 JVK1V1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	69 a	(73 - 132)			SW846 8260B
	63 a	(73 - 132)	9.0	(0-30)	SW846 8260B
Trichloroethene	**94**	**(67 - 128)**			**SW846 8260B**
	90	**(67 - 128)**	**4.3**	**(0-30)**	**SW846 8260B**
Dibromochloromethane	81	(74 - 145)			SW846 8260B
	77	(74 - 145)	4.5	(0-30)	SW846 8260B
1,1,2-Trichloroethane	90	(75 - 136)			SW846 8260B
	86	(75 - 136)	4.6	(0-30)	SW846 8260B
Benzene	**95**	**(75 - 126)**			**SW846 8260B**
	90	**(75 - 126)**	**5.6**	**(0-30)**	**SW846 8260B**
trans-1,3-Dichloropropene	64 a	(74 - 131)			SW846 8260B
	63 a	(74 - 131)	2.5	(0-30)	SW846 8260B
Bromoform	88	(72 - 136)			SW846 8260B
	82	(72 - 136)	7.7	(0-30)	SW846 8260B
4-Methyl-2-pentanone	84	(59 - 150)			SW846 8260B
	79	(59 - 150)	5.8	(0-30)	SW846 8260B
2-Hexanone	95	(53 - 139)			SW846 8260B
	89	(53 - 139)	5.6	(0-30)	SW846 8260B
Tetrachloroethene	97	(75 - 129)			SW846 8260B
	92	(75 - 129)	5.0	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	85	(68 - 129)			SW846 8260B
	81	(68 - 129)	4.0	(0-30)	SW846 8260B
Toluene	**96**	**(75 - 125)**			**SW846 8260B**
	90	**(75 - 125)**	**6.5**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**95**	**(75 - 127)**			**SW846 8260B**
	89	**(75 - 127)**	**5.7**	**(0-30)**	**SW846 8260B**
Ethylbenzene	93	(75 - 120)			SW846 8260B
	87	(75 - 120)	6.7	(0-30)	SW846 8260B
Styrene	103	(75 - 130)			SW846 8260B
	94	(75 - 130)	8.3	(0-30)	SW846 8260B
Xylenes (total)	98	(90 - 114)			SW846 8260B
	93	(90 - 114)	5.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	100	(73 - 133)			SW846 8260B
	97	(73 - 133)	3.9	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	96	(75 - 134)			SW846 8260B
	90	(75 - 134)	6.0	(0-30)	SW846 8260B
n-Hexane	103	(69 - 129)			SW846 8260B
	110	(69 - 129)	6.7	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	72 a	(75 - 132)			SW846 8260B
	70 a	(75 - 132)	2.9	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 **Work Order #...:** JVK1V1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D250000-159 JVK1V1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	100	(73 - 120)			SW846 8260B
	91	(73 - 120)	9.0	(0-30)	SW846 8260B
1,3-Dichlorobenzene	94	(75 - 122)			SW846 8260B
	88	(75 - 122)	7.0	(0-30)	SW846 8260B
1,4-Dichlorobenzene	96	(74 - 123)			SW846 8260B
	90	(74 - 123)	6.0	(0-30)	SW846 8260B
Dichlorodifluoromethane	83	(59 - 134)			SW846 8260B
	92	(59 - 134)	10	(0-30)	SW846 8260B
Freon 113	107	(50 - 150)			SW846 8260B
	115	(50 - 150)	7.1	(0-30)	SW846 8260B
Isopropylbenzene	109	(75 - 126)			SW846 8260B
	105	(75 - 126)	3.2	(0-30)	SW846 8260B
Methyl acetate	88	(60 - 140)			SW846 8260B
	90	(60 - 140)	1.8	(0-20)	SW846 8260B
Methylcyclohexane	96	(60 - 140)			SW846 8260B
	105	(60 - 140)	9.5	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	91	(59 - 129)			SW846 8260B
	85	(59 - 129)	7.4	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	112	(75 - 130)			SW846 8260B
	107	(75 - 130)	4.8	(0-30)	SW846 8260B
Trichlorofluoromethane	98	(68 - 133)			SW846 8260B
	103	(68 - 133)	5.6	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(50 - 150)
	98	(50 - 150)
1,2-Dichloroethane-d4	96	(50 - 150)
	91	(50 - 150)
Toluene-d8	98	(50 - 150)
	97	(50 - 150)
4-Bromofluorobenzene	103	(50 - 150)
	104	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2767.D
Report Date: 25-Apr-2007 09:24

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2767.D
Lab Smp Id: LCS
Inj Date : 25-APR-2007 09:04
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCS
Misc Info : J70425A,8260LLUX11,,43582,3
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\8260LLUX11.m
Meth Date : 25-Apr-2007 09:24 a3ux11.i Quant Type: ISTD
Cal Date : 04-APR-2007 18:35 Cal File: UXJ2407.D
Als bottle: 3 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANPMSV30

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
*	1 Fluorobenzene	96	5.141	5.141	(1.000)	1126728	50.0000	
*	2 Chlorobenzene-d5	117	7.792	7.791	(1.000)	889206	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.028	10.028	(1.000)	557079	50.0000	
$	4 Dibromofluoromethane	113	4.573	4.585	(0.890)	223156	48.7901	9.758
$	5 1,2-Dichloroethane-d4	65	4.857	4.857	(0.945)	309110	47.9004	9.580
$	6 Toluene-d8	98	6.478	6.478	(0.831)	965863	48.7617	9.752
$	7 Bromofluorobenzene	95	8.892	8.892	(1.141)	379206	51.3512	10.270
	8 Dichlorodifluoromethane	85	1.556	1.556	(0.303)	253995	41.6342	8.327
	9 Chloromethane	50	1.698	1.698	(0.330)	413786	46.4114	9.282
	10 Vinyl Chloride	62	1.792	1.792	(0.349)	385702	42.7774	8.555
	11 Bromomethane	94	2.076	2.076	(0.404)	234856	45.5183	9.104
	12 Chloroethane	64	2.171	2.171	(0.422)	271878	49.1487	9.830
	13 Trichlorofluoromethane	101	2.372	2.372	(0.461)	465060	48.7693	9.754
	15 Acrolein	56	2.692	2.691	(0.524)	612671	664.207	132.84
	16 Acetone	43	2.810	2.810	(0.547)	95939	37.3915	7.478
	17 1,1-Dichloroethene	96	2.786	2.786	(0.542)	296630	47.2567	9.451
	18 Freon-113	151	2.798	2.798	(0.544)	268610	53.4798	10.696
	19 Iodomethane	142	2.916	2.928	(0.567)	473038	45.8241	9.165
	20 Carbon Disulfide	76	2.976	2.975	(0.579)	996681	48.6923	9.738
	21 Methylene Chloride	84	3.165	3.165	(0.616)	333326	44.9462	8.989

22 Acetonitrile	41	3.035	3.035 (0.590)	408046	465.484	93.097
23 Acrylonitrile	53	3.354	3.354 (0.652)	1164701	498.589	99.718

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2767.D
Report Date: 25-Apr-2007 09:24

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.390	3.390	(0.659)	825958	45.5035	9.101
	25 trans-1,2-Dichloroethene	96	3.390	3.390	(0.659)	304696	47.8650	9.573
	26 Hexane	86	3.603	3.603	(0.701)	64812	51.4442	10.289
	27 Vinyl acetate	43	3.768	3.756	(0.733)	891434	101.212	20.242
	28 1,1-Dichloroethane	63	3.733	3.721	(0.726)	479668	51.8255	10.365
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.206	4.206	(0.818)	134361	53.2052	10.641
M	31 1,2-Dichloroethene (total)	96				579423	98.0631	19.613
	32 cis-1,2-dichloroethene	96	4.194	4.194	(0.816)	274727	50.1980	10.040
	33 2,2-Dichloropropane	77	4.194	4.194	(0.816)	167595	31.5668	6.313
	34 Bromochloromethane	128	4.396	4.395	(0.855)	131327	50.6615	10.132
	35 Chloroform	83	4.443	4.443	(0.864)	441790	48.1442	9.629
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.609	4.608	(0.896)	281751	42.2767	8.455
	38 1,1-Dichloropropene	75	4.739	4.739	(0.922)	356855	48.2521	9.650
	39 Carbon Tetrachloride	117	4.751	4.750	(0.924)	178028	37.7336	7.547
	40 1,2-Dichloroethane	62	4.928	4.928	(0.959)	385163	46.9100	9.382
	41 Benzene	78	4.916	4.916	(0.956)	1093786	47.6273	9.525
	42 Trichloroethene	130	5.437	5.449	(1.058)	274221	46.9846	9.397
	43 1,2-Dichloropropane	63	5.638	5.638	(1.097)	274946	45.6602	9.132
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.733	5.733	(1.115)	155866	43.1903	8.638
	46 Bromodichloromethane	83	5.863	5.863	(1.140)	272032	41.2660	8.253
	47 2-Chloroethyl vinyl ether	63	6.100	6.099	(1.186)	168785	41.6677	8.334
	48 cis-1,3-Dichloropropene	75	6.242	6.241	(1.214)	331596	34.6804	6.936
	49 4-Methyl-2-pentanone	43	6.372	6.372	(1.239)	245958	41.7663	8.353
	50 Toluene	91	6.537	6.549	(0.839)	1217539	48.1778	9.636
	51 trans-1,3-Dichloropropene	75	6.727	6.727	(0.863)	256964	32.1083	6.422
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.892	6.892	(0.885)	228857	45.1440	9.029
	54 1,3-Dichloropropane	76	7.046	7.046	(0.904)	442393	45.4113	9.082
	55 Tetrachloroethene	164	7.034	7.034	(0.903)	223283	48.4860	9.697
	56 2-Hexanone	43	7.105	7.105	(0.912)	165799	47.2961	9.459
	57 Dibromochloromethane	129	7.259	7.259	(0.932)	156790	40.4744	8.095
	58 1,2-Dibromoethane	107	7.366	7.365	(0.945)	213976	42.6784	8.536
	59 Chlorobenzene	112	7.815	7.815	(1.003)	788376	47.3545	9.471
	60 1,1,1,2-Tetrachloroethane	131	7.886	7.886	(1.012)	146143	33.7219	6.744
	61 Ethylbenzene	106	7.910	7.910	(1.015)	425003	46.6385	9.328
	62 m + p-Xylene	106	8.016	8.016	(1.029)	1062055	96.4654	19.293
M	63 Xylenes (total)	106				1578523	146.395	29.279
	64 Xylene-o	106	8.395	8.395	(1.077)	516468	49.9291	9.986
	65 Styrene	104	8.407	8.407	(1.079)	930766	51.3337	10.267
	66 Bromoform	173	8.584	8.584	(1.102)	85539	44.2264	8.845
	67 Isopropylbenzene	105	8.750	8.750	(1.123)	1343080	54.3710	10.874
	68 1,1,2,2-Tetrachloroethane	83	9.022	9.022	(0.900)	317736	42.4020	8.480
	69 1,4-Dichloro-2-butene	53	9.152	9.081	(0.913)	7594	3.30045	0.6601
	70 1,2,3-Trichloropropane	110	9.070	9.069	(0.904)	107440	47.8511	9.570
	71 Bromobenzene	156	9.046	9.046	(0.902)	352811	44.1351	8.827
	72 n-Propylbenzene	120	9.141	9.140	(0.912)	377056	42.3430	8.469
	73 2-Chlorotoluene	126	9.235	9.235	(0.921)	332975	41.7927	8.358
	74 1,3,5-Trimethylbenzene	105	9.306	9.306	(0.928)	1185418	43.2627	8.652
	75 4-Chlorotoluene	126	9.342	9.342	(0.932)	359781	43.9381	8.788

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2768.D
Report Date: 25-Apr-2007 09:42

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2768.D
Lab Smp Id: LCSD
Inj Date : 25-APR-2007 09:27
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCSD
Misc Info : J70425A,8260LLUX11,,43582,3
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\8260LLUX11.m
Meth Date : 25-Apr-2007 09:24 a3ux11.i Quant Type: ISTD
Cal Date : 04-APR-2007 18:35 Cal File: UXJ2407.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.141	5.141	(1.000)	1149200	50.0000	
*	2 Chlorobenzene-d5	117	7.792	7.791	(1.000)	896067	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.028	10.028	(1.000)	565568	50.0000	
$	4 Dibromofluoromethane	113	4.585	4.585	(0.892)	227843	48.8407	9.768
$	5 1,2-Dichloroethane-d4	65	4.857	4.857	(0.945)	298589	45.3653	9.073
$	6 Toluene-d8	98	6.490	6.478	(0.833)	964809	48.3355	9.667
$	7 Bromofluorobenzene	95	8.892	8.892	(1.141)	388024	52.1430	10.428
	8 Dichlorodifluoromethane	85	1.556	1.556	(0.303)	286344	46.0189	9.204
	9 Chloromethane	50	1.698	1.698	(0.330)	384474	42.2804	8.456
	10 Vinyl Chloride	62	1.804	1.792	(0.351)	383637	41.7164	8.343
	11 Bromomethane	94	2.088	2.076	(0.406)	222921	42.3602	8.472
	12 Chloroethane	64	2.171	2.171	(0.422)	260057	46.0924	9.218
	13 Trichlorofluoromethane	101	2.372	2.372	(0.461)	501850	51.5983	10.320
	15 Acrolein	56	2.692	2.691	(0.524)	597315	634.897	126.98
	16 Acetone	43	2.810	2.810	(0.547)	104433	40.5990	8.120
	17 1,1-Dichloroethene	96	2.786	2.786	(0.542)	292456	45.6807	9.136
	18 Freon-113	151	2.798	2.798	(0.544)	294043	57.3986	11.480
	19 Iodomethane	142	2.916	2.928	(0.567)	454168	43.1358	8.627
	20 Carbon Disulfide	76	2.976	2.975	(0.579)	975977	46.7484	9.350
	21 Methylene Chloride	84	3.165	3.165	(0.616)	318822	42.1498	8.430

22 Acetonitrile	41	3.035	3.035 (0.590)	431808	482.958	96.592
23 Acrylonitrile	53	3.366	3.354 (0.655)	1119566	469.896	93.979

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2768.D
Report Date: 25-Apr-2007 09:42

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.390	3.390	(0.659)	782661	42.2750	8.455
	25 trans-1,2-Dichloroethene	96	3.390	3.390	(0.659)	292747	45.0887	9.018
	26 Hexane	86	3.603	3.603	(0.701)	70701	55.0212	11.004
	27 Vinyl acetate	43	3.768	3.756	(0.733)	817234	90.9729	18.194
	28 1,1-Dichloroethane	63	3.721	3.721	(0.724)	445821	47.2266	9.445
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.206	4.206	(0.818)	133967	52.0118	10.402
M	31 1,2-Dichloroethene (total)	96				562321	93.3820	18.676
	32 cis-1,2-dichloroethene	96	4.194	4.194	(0.816)	269574	48.2933	9.659
	33 2,2-Dichloropropane	77	4.206	4.194	(0.818)	176535	32.6005	6.520
	34 Bromochloromethane	128	4.395	4.395	(0.855)	126545	47.8622	9.572
	35 Chloroform	83	4.443	4.443	(0.864)	420147	44.8903	8.978
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.608	4.608	(0.896)	274334	40.3589	8.072
	38 1,1-Dichloropropene	75	4.739	4.739	(0.922)	350480	46.4634	9.293
	39 Carbon Tetrachloride	117	4.750	4.750	(0.924)	182209	37.8646	7.573
	40 1,2-Dichloroethane	62	4.928	4.928	(0.959)	370443	44.2350	8.847
	41 Benzene	78	4.916	4.916	(0.956)	1054478	45.0178	9.004
	42 Trichloroethene	130	5.449	5.449	(1.060)	268009	45.0223	9.004
	43 1,2-Dichloropropane	63	5.638	5.638	(1.097)	268223	43.6727	8.734
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.733	5.733	(1.115)	152427	41.4114	8.282
	46 Bromodichloromethane	83	5.863	5.863	(1.140)	247439	36.8013	7.360
	47 2-Chloroethyl vinyl ether	63	6.099	6.099	(1.186)	159269	38.5496	7.710
	48 cis-1,3-Dichloropropene	75	6.241	6.241	(1.214)	309021	31.6874	6.337
	49 4-Methyl-2-pentanone	43	6.372	6.372	(1.239)	236704	39.4089	7.882
	50 Toluene	91	6.549	6.549	(0.841)	1149829	45.1501	9.030
	51 trans-1,3-Dichloropropene	75	6.727	6.727	(0.863)	252458	31.3038	6.261
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.892	6.892	(0.885)	220181	43.1000	8.620
	54 1,3-Dichloropropane	76	7.046	7.046	(0.904)	418169	42.5961	8.519
	55 Tetrachloroethene	164	7.034	7.034	(0.903)	214046	46.1243	9.225
	56 2-Hexanone	43	7.105	7.105	(0.912)	157939	44.7090	8.942
	57 Dibromochloromethane	129	7.259	7.259	(0.932)	151094	38.7053	7.741
	58 1,2-Dibromoethane	107	7.366	7.365	(0.945)	204466	40.4693	8.094
	59 Chlorobenzene	112	7.815	7.815	(1.003)	750563	44.7381	8.948
	60 1,1,1,2-Tetrachloroethane	131	7.886	7.886	(1.012)	143194	32.7884	6.558
	61 Ethylbenzene	106	7.910	7.910	(1.015)	400420	43.6044	8.721
	62 m + p-Xylene	106	8.016	8.016	(1.029)	1021407	92.0630	18.413
M	63 Xylenes (total)	106				1512863	139.210	27.842
	64 Xylene-o	106	8.395	8.395	(1.077)	491456	47.1473	9.429
	65 Styrene	104	8.407	8.407	(1.079)	862948	47.2290	9.446
	66 Bromoform	173	8.596	8.584	(1.103)	79800	40.9433	8.189
	67 Isopropylbenzene	105	8.750	8.750	(1.123)	1311073	52.6689	10.534
	68 1,1,2,2-Tetrachloroethane	83	9.022	9.022	(0.900)	309978	40.7458	8.149
	69 1,4-Dichloro-2-butene	53	9.140	9.081	(0.912)	7464	3.19526	0.6390
	70 1,2,3-Trichloropropane	110	9.069	9.069	(0.904)	100045	43.8887	8.778
	71 Bromobenzene	156	9.046	9.046	(0.902)	334334	41.1960	8.239
	72 n-Propylbenzene	120	9.140	9.140	(0.912)	370881	41.0244	8.205
	73 2-Chlorotoluene	126	9.235	9.235	(0.921)	325676	40.2630	8.052
	74 1,3,5-Trimethylbenzene	105	9.306	9.306	(0.928)	1139198	40.9519	8.190
	75 4-Chlorotoluene	126	9.342	9.342	(0.932)	354098	42.5950	8.519

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7115159 **Analysis Method :** 8260B **Analysis Date :** 04/25/2007

Preparation Batch : 7115159 **Preparation Type :** 5030B **Preparation Date :** 04/25/2007

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGWBGmw-006C-043	A7D190102019S	AQ	Bromodichloromethane	61		0.00	70.00	130.00	20.00
			Bromoform	59		0.00	70.00	130.00	20.00
			Carbon tetrachloride	56		0.00	70.00	130.00	20.00
			cis-1,3-Dichloropropene	53		0.00	70.00	130.00	20.00
			Dibromochloromethane	55		0.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene	47		0.00	70.00	130.00	20.00
FWGWBGmw-006C-043	A7D190102019D		Bromodichloromethane	66		0.00	70.00	130.00	20.00
			Bromoform	61		0.00	70.00	130.00	20.00
			Carbon tetrachloride	62		0.00	70.00	130.00	20.00
			cis-1,3-Dichloropropene	59		0.00	70.00	130.00	20.00
			Dibromochloromethane	64		0.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene	55		0.00	70.00	130.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGWBGmw-006C-0438-GW	A7D190102019

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AD-MSD
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/25/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7115159
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	72	(60 - 140)			SW846 8260B
	77	(60 - 140)	7.0	(0-20)	SW846 8260B
Chloromethane	83	(41 - 125)			SW846 8260B
	87	(41 - 125)	5.4	(0-30)	SW846 8260B
Bromomethane	79	(53 - 155)			SW846 8260B
	84	(53 - 155)	6.3	(0-30)	SW846 8260B
Vinyl chloride	70	(52 - 122)			SW846 8260B
	75	(52 - 122)	6.8	(0-30)	SW846 8260B
Chloroethane	89	(62 - 140)			SW846 8260B
	95	(62 - 140)	6.7	(0-30)	SW846 8260B
Methylene chloride	83	(70 - 129)			SW846 8260B
	85	(70 - 129)	2.5	(0-30)	SW846 8260B
Acetone	79	(10 - 166)			SW846 8260B
	80	(10 - 166)	0.16	(0-32)	SW846 8260B
Carbon disulfide	96	(66 - 135)			SW846 8260B
	93	(66 - 135)	3.3	(0-31)	SW846 8260B
1,1-Dichloroethene	**91**	**(57 - 138)**			**SW846 8260B**
	90	**(57 - 138)**	**0.90**	**(0-15)**	**SW846 8260B**
1,1-Dichloroethane	91	(84 - 121)			SW846 8260B
	96	(84 - 121)	5.0	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	89	(80 - 115)			SW846 8260B
	91	(80 - 115)	3.1	(0-30)	SW846 8260B
Chloroform	82 a	(85 - 124)			SW846 8260B
	91	(85 - 124)	9.6	(0-30)	SW846 8260B
1,2-Dichloroethane	80 a	(84 - 126)			SW846 8260B
	89	(84 - 126)	11	(0-30)	SW846 8260B
2-Butanone	103	(52 - 152)			SW846 8260B
	107	(52 - 152)	3.8	(0-30)	SW846 8260B
1,1,1-Trichloroethane	70 a	(78 - 128)			SW846 8260B
	76 a	(78 - 128)	7.7	(0-30)	SW846 8260B
Carbon tetrachloride	56 a	(80 - 125)			SW846 8260B
	62 a	(80 - 125)	8.8	(0-30)	SW846 8260B
Bromodichloromethane	61 a	(86 - 127)			SW846 8260B
	66 a	(86 - 127)	7.8	(0-30)	SW846 8260B
1,2-Dichloropropane	81 a	(83 - 121)			SW846 8260B
	88	(83 - 121)	8.6	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	53 a	(86 - 122)			SW846 8260B
	59 a	(86 - 122)	11	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**85**	**(58 - 141)**			**SW846 8260B**
	87	**(58 - 141)**	**3.0**	**(0-17)**	**SW846 8260B**
Dibromochloromethane	55 a	(85 - 124)			SW846 8260B
	64 a	(85 - 124)	16	(0-30)	SW846 8260B
1,1,2-Trichloroethane	79 a	(88 - 119)			SW846 8260B
	85 a	(88 - 119)	7.8	(0-30)	SW846 8260B
Benzene	**82**	**(73 - 123)**			**SW846 8260B**
	88	**(73 - 123)**	**7.5**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	47 a	(85 - 120)			SW846 8260B
	55 a	(85 - 120)	16	(0-30)	SW846 8260B
Bromoform	59 a	(79 - 135)			SW846 8260B
	61 a	(79 - 135)	3.3	(0-30)	SW846 8260B
4-Methyl-2-pentanone	75	(74 - 140)			SW846 8260B
	80	(74 - 140)	6.3	(0-30)	SW846 8260B
2-Hexanone	87	(57 - 148)			SW846 8260B
	91	(57 - 148)	4.6	(0-31)	SW846 8260B
Tetrachloroethene	86	(75 - 116)			SW846 8260B
	86	(75 - 116)	0.27	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	75	(74 - 144)			SW846 8260B
	79	(74 - 144)	5.7	(0-30)	SW846 8260B
Toluene	**84**	**(67 - 129)**			**SW846 8260B**
	90	**(67 - 129)**	**7.2**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**84**	**(70 - 122)**			**SW846 8260B**
	88	**(70 - 122)**	**4.1**	**(0-14)**	**SW846 8260B**
Ethylbenzene	80 a	(86 - 113)			SW846 8260B
	86	(86 - 113)	6.5	(0-30)	SW846 8260B
Styrene	79 a	(87 - 115)			SW846 8260B
	88	(87 - 115)	11	(0-30)	SW846 8260B
Xylenes (total)	85 a	(88 - 114)			SW846 8260B
	91	(88 - 114)	7.0	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	86	(82 - 116)			SW846 8260B
	94	(82 - 116)	8.7	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	92	(77 - 115)			SW846 8260B
	89	(77 - 115)	2.4	(0-30)	SW846 8260B
n-Hexane	117	(57 - 129)			SW846 8260B
	91	(57 - 129)	24	(0-30)	SW846 8260B
Cyclohexane	106	(60 - 140)			SW846 8260B
	95	(60 - 140)	11	(0-20)	SW846 8260B
1,2-Dibromo-3-chloro-propane	52 a	(60 - 140)			SW846 8260B
	55 a	(60 - 140)	4.6	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	85	(60 - 140)			SW846 8260B
	93	(60 - 140)	9.1	(0-20)	SW846 8260B
1,3-Dichlorobenzene	82	(60 - 140)			SW846 8260B
	89	(60 - 140)	8.2	(0-20)	SW846 8260B
1,4-Dichlorobenzene	83	(60 - 140)			SW846 8260B
	93	(60 - 140)	11	(0-20)	SW846 8260B
Dichlorodifluoromethane	91	(60 - 140)			SW846 8260B
	76	(60 - 140)	17	(0-20)	SW846 8260B
Freon 113	127	(60 - 140)			SW846 8260B
	105	(60 - 140)	19	(0-20)	SW846 8260B
Isopropylbenzene	94	(60 - 140)			SW846 8260B
	101	(60 - 140)	6.4	(0-20)	SW846 8260B
Methyl acetate	90	(60 - 140)			SW846 8260B
	83	(60 - 140)	7.8	(0-20)	SW846 8260B
Methylcyclohexane	96	(60 - 140)			SW846 8260B
	86	(60 - 140)	11	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	88	(60 - 140)			SW846 8260B
	91	(60 - 140)	2.7	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	96	(60 - 140)			SW846 8260B
	106	(60 - 140)	9.3	(0-20)	SW846 8260B
Trichlorofluoromethane	101	(60 - 140)			SW846 8260B
	92	(60 - 140)	8.8	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(50 - 150)
	91	(50 - 150)
1,2-Dichloroethane-d4	93	(50 - 150)
	92	(50 - 150)
Toluene-d8	96	(50 - 150)
	96	(50 - 150)
4-Bromofluorobenzene	101	(50 - 150)
	104	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2782.D
Report Date: 25-Apr-2007 14:59

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2782.D
Lab Smp Id: JT7LC1AC Client Smp ID: FWGWBGmw-006C-0438-
Inj Date : 25-APR-2007 14:43
Operator : 43582 Inst ID: a3ux11.i
Smp Info : JT7LC1AC,5ML/5ML
Misc Info : J70425A,8260LLUX11,,43582,3,,MS
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\8260LLUX11.m
Meth Date : 25-Apr-2007 09:24 a3ux11.i Quant Type: ISTD
Cal Date : 04-APR-2007 18:35 Cal File: UXJ2407.D
Als bottle: 18 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.141	5.141	(1.000)	1102515	50.0000	
*	2 Chlorobenzene-d5	117	7.792	7.791	(1.000)	874857	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.028	10.028	(1.000)	538841	50.0000	
$	4 Dibromofluoromethane	113	4.585	4.585	(0.892)	217062	48.5000	9.700
$	5 1,2-Dichloroethane-d4	65	4.857	4.857	(0.945)	292431	46.3110	9.262
$	6 Toluene-d8	98	6.490	6.478	(0.833)	932990	47.8746	9.575
$	7 Bromofluorobenzene	95	8.892	8.892	(1.141)	365552	50.3141	10.063
	8 Dichlorodifluoromethane	85	1.556	1.556	(0.303)	271256	45.4401	9.088
	9 Chloromethane	50	1.698	1.698	(0.330)	360572	41.3309	8.266
	10 Vinyl Chloride	62	1.792	1.792	(0.349)	307335	34.8345	6.967
	11 Bromomethane	94	2.088	2.076	(0.406)	198400	39.2971	7.859
	12 Chloroethane	64	2.171	2.171	(0.422)	239542	44.2541	8.851
	13 Trichlorofluoromethane	101	2.360	2.372	(0.459)	470435	50.4164	10.083
	15 Acrolein	56	2.692	2.691	(0.524)	552034	611.613	122.32
	16 Acetone	43	2.810	2.810	(0.547)	98514	39.7473	7.949
	17 1,1-Dichloroethene	96	2.786	2.786	(0.542)	279002	45.4245	9.085
	18 Freon-113	151	2.798	2.798	(0.544)	310923	63.2637	12.653
	19 Iodomethane	142	2.916	2.928	(0.567)	425990	42.1727	8.434
	20 Carbon Disulfide	76	2.976	2.975	(0.579)	963564	48.1082	9.622
	21 Methylene Chloride	84	3.165	3.165	(0.616)	299651	41.2928	8.258

22 Acetonitrile	41	3.035	3.035 (0.590)	391375	456.271	91.254
23 Acrylonitrile	53	3.354	3.354 (0.652)	1104509	483.206	96.641

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2782.D
Report Date: 25-Apr-2007 14:59

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.390	3.390	(0.659)	782090	44.0330	8.806
	25 trans-1,2-Dichloroethene	96	3.390	3.390	(0.659)	285060	45.7639	9.153
	26 Hexane	86	3.603	3.603	(0.701)	71840	58.2750	11.655
	27 Vinyl acetate	43	3.768	3.756	(0.733)	719374	83.4702	16.694
	28 1,1-Dichloroethane	63	3.721	3.721	(0.724)	413565	45.6647	9.133
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.206	4.206	(0.818)	126726	51.2839	10.257
M	31 1,2-Dichloroethene (total)	96				514881	88.6789	17.736
	32 cis-1,2-dichloroethene	96	4.194	4.194	(0.816)	229821	42.9151	8.583
	33 2,2-Dichloropropane	77	4.194	4.194	(0.816)	131617	25.3347	5.067
	34 Bromochloromethane	128	4.395	4.395	(0.855)	108469	42.7627	8.552
	35 Chloroform	83	4.443	4.443	(0.864)	369632	41.1654	8.233
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.608	4.608	(0.896)	228633	35.0598	7.012
	38 1,1-Dichloropropene	75	4.739	4.739	(0.922)	309159	42.7210	8.544
	39 Carbon Tetrachloride	117	4.750	4.750	(0.924)	130070	28.1742	5.635
	40 1,2-Dichloroethane	62	4.928	4.928	(0.959)	320937	39.9462	7.989
	41 Benzene	78	4.916	4.916	(0.956)	922296	41.0420	8.208
	42 Trichloroethene	130	5.437	5.449	(1.058)	241412	42.2716	8.454
	43 1,2-Dichloropropane	63	5.638	5.638	(1.097)	238286	40.4411	8.088
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	5.733	5.733	(1.115)	136404	38.6275	7.725
	46 Bromodichloromethane	83	5.863	5.863	(1.140)	197962	30.6894	6.138
	47 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	48 cis-1,3-Dichloropropene	75	6.241	6.241	(1.214)	248320	26.5413	5.308
	49 4-Methyl-2-pentanone	43	6.372	6.372	(1.239)	215084	37.3257	7.465
	50 Toluene	91	6.537	6.549	(0.839)	1043872	41.9833	8.397
	51 trans-1,3-Dichloropropene	75	6.727	6.727	(0.863)	184513	23.4335	4.687
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.892	6.892	(0.885)	196272	39.3513	7.870
	54 1,3-Dichloropropane	76	7.046	7.046	(0.904)	378661	39.5068	7.901
	55 Tetrachloroethene	164	7.034	7.034	(0.903)	194882	43.0128	8.602
	56 2-Hexanone	43	7.105	7.105	(0.912)	149646	43.3884	8.678
	57 Dibromochloromethane	129	7.259	7.259	(0.932)	104791	27.4948	5.499
	58 1,2-Dibromoethane	107	7.366	7.365	(0.945)	176555	35.7922	7.158
	59 Chlorobenzene	112	7.815	7.815	(1.003)	688176	42.0139	8.403
	60 1,1,1,2-Tetrachloroethane	131	7.886	7.886	(1.012)	104445	24.4955	4.899
	61 Ethylbenzene	106	7.910	7.910	(1.015)	359845	40.1359	8.027
	62 m + p-Xylene	106	8.016	8.016	(1.029)	921981	85.1161	17.023
M	63 Xylenes (total)	106				1354557	127.621	25.524
	64 Xylene-o	106	8.395	8.395	(1.077)	432576	42.5048	8.501
	65 Styrene	104	8.407	8.407	(1.079)	708071	39.6921	7.938
	66 Bromoform	173	8.596	8.584	(1.103)	56304	29.5884	5.918
	67 Isopropylbenzene	105	8.750	8.750	(1.123)	1146429	47.1713	9.434
	68 1,1,2,2-Tetrachloroethane	83	9.022	9.022	(0.900)	272064	37.5359	7.507
	69 1,4-Dichloro-2-butene	53	9.140	9.081	(0.912)	7191	3.23109	0.6462
	70 1,2,3-Trichloropropane	110	9.081	9.069	(0.906)	96156	44.2750	8.855
	71 Bromobenzene	156	9.046	9.046	(0.902)	292827	37.8713	7.574
	72 n-Propylbenzene	120	9.140	9.140	(0.912)	326402	37.8953	7.579
	73 2-Chlorotoluene	126	9.235	9.235	(0.921)	288426	37.4265	7.485
	74 1,3,5-Trimethylbenzene	105	9.306	9.306	(0.928)	986776	37.2321	7.446
	75 4-Chlorotoluene	126	9.342	9.342	(0.932)	309630	39.0933	7.819

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2783.D
Report Date: 25-Apr-2007 15:21

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\UXJ2783.D
Lab Smp Id: JT7LC1AD Client Smp ID: FWGWBGmw-006C-0438-
Inj Date : 25-APR-2007 15:06
Operator : 43582 Inst ID: a3ux11.i
Smp Info : JT7LC1AD,5ML/5ML
Misc Info : J70425A,8260LLUX11,,43582,3,,MSD
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux11.i\J70425A.b\8260LLUX11.m
Meth Date : 25-Apr-2007 09:24 a3ux11.i Quant Type: ISTD
Cal Date : 04-APR-2007 18:35 Cal File: UXJ2407.D
Als bottle: 19 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.141	5.141	(1.000)	1123670	50.0000	
*	2 Chlorobenzene-d5	117	7.791	7.791	(1.000)	886427	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.028	10.028	(1.000)	545982	50.0000	
$	4 Dibromofluoromethane	113	4.573	4.585	(0.890)	208110	45.6243	9.125
$	5 1,2-Dichloroethane-d4	65	4.857	4.857	(0.945)	297205	46.1809	9.236
$	6 Toluene-d8	98	6.478	6.478	(0.831)	946416	47.9297	9.586
$	7 Bromofluorobenzene	95	8.892	8.892	(1.141)	381993	51.8908	10.378
	8 Dichlorodifluoromethane	85	1.556	1.556	(0.303)	232450	38.2063	7.641
	9 Chloromethane	50	1.698	1.698	(0.330)	387694	43.6031	8.721
	10 Vinyl Chloride	62	1.792	1.792	(0.349)	335193	37.2767	7.455
	11 Bromomethane	94	2.076	2.076	(0.404)	215309	41.8434	8.369
	12 Chloroethane	64	2.171	2.171	(0.422)	260993	47.3093	9.462
	13 Trichlorofluoromethane	101	2.372	2.372	(0.461)	438858	46.1469	9.229
	15 Acrolein	56	2.692	2.691	(0.524)	579951	630.446	126.09
	16 Acetone	43	2.810	2.810	(0.547)	100526	39.8079	7.962
	17 1,1-Dichloroethene	96	2.786	2.786	(0.542)	281794	45.0154	9.003
	18 Freon-113	151	2.798	2.798	(0.544)	262180	52.3416	10.468
	19 Iodomethane	142	2.916	2.928	(0.567)	447757	43.4931	8.699
	20 Carbon Disulfide	76	2.976	2.975	(0.579)	950236	46.5496	9.310
	21 Methylene Chloride	84	3.165	3.165	(0.616)	313011	42.3217	8.464

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AA **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.26 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.64 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-017 Work Order #...: JT4M81AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

FWGEQUIPRinse2-0457-GW

GC/MS Volatiles

Lot-Sample #: A7D180106-017 **Work Order #:** JT4M81AA **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

GCMS SEMIVOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-001 Work Order #...: JT7J71AC Matrix.....: WG
Date Sampled...: 04/17/07 18:55 Date Received..: 04/19/07
Prep Date.....: 04/21/07 Analysis Date..: 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 Initial Wgt/Vol: 1010 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-001 Work Order #...: JT7J71AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-001 **Work Order #...:** JT7J71AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	57	(32 - 112)
2-Fluorobiphenyl	52	(30 - 110)
Terphenyl-d14	71	(51 - 135)
Phenol-d5	53	(10 - 117)
2-Fluorophenol	51	(19 - 108)
2,4,6-Tribromophenol	58	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AC **Matrix.....:** WG
Date Sampled...: 04/18/07 13:30 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 970 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-003 Work Order #...: JT7KE1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(32 - 112)
2-Fluorobiphenyl	48	(30 - 110)
Terphenyl-d14	69	(51 - 135)
Phenol-d5	46	(10 - 117)
2-Fluorophenol	44	(19 - 108)
2,4,6-Tribromophenol	53	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH1AC **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-005 Work Order #...: JT7KH1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(32 - 112)
2-Fluorobiphenyl	51	(30 - 110)
Terphenyl-d14	69	(51 - 135)
Phenol-d5	51	(10 - 117)
2-Fluorophenol	48	(19 - 108)
2,4,6-Tribromophenol	58	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-007 **Work Order #...:** JT7KL1AC **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 990 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-007 **Work Order #...:** JT7KL1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-007 Work Order #...: JT7KL1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	60	(32 - 112)
2-Fluorobiphenyl	55	(30 - 110)
Terphenyl-d14	69	(51 - 135)
Phenol-d5	55	(10 - 117)
2-Fluorophenol	51	(19 - 108)
2,4,6-Tribromophenol	57	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AC **Matrix.....:** WG
Date Sampled...: 04/18/07 09:20 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	**8.2 J**	**10**	**ug/L**
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	45	(32 - 112)
2-Fluorobiphenyl	42	(30 - 110)
Terphenyl-d14	73	(51 - 135)
Phenol-d5	42	(10 - 117)
2-Fluorophenol	41	(19 - 108)
2,4,6-Tribromophenol	48	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-011 **Work Order #...:** JT7KV1AC **Matrix.....:** WG
Date Sampled...: 04/18/07 17:10 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 960 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-011 **Work Order #...:** JT7KV1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-011 Work Order #...: JT7KV1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	39	(32 - 112)
2-Fluorobiphenyl	38	(30 - 110)
Terphenyl-d14	68	(51 - 135)
Phenol-d5	36	(10 - 117)
2-Fluorophenol	34	(19 - 108)
2,4,6-Tribromophenol	41 *	(42 - 124)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AC **Matrix.....:** WG
Date Sampled...: 04/17/07 17:25 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	47	(32 - 112)
2-Fluorobiphenyl	43	(30 - 110)
Terphenyl-d14	67	(51 - 135)
Phenol-d5	43	(10 - 117)
2-Fluorophenol	39	(19 - 108)
2,4,6-Tribromophenol	54	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AC **Matrix.....:** WG
Date Sampled...: 04/18/07 11:25 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 980 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-015 Work Order #...: JT7K41AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(32 - 112)
2-Fluorobiphenyl	49	(30 - 110)
Terphenyl-d14	72	(51 - 135)
Phenol-d5	47	(10 - 117)
2-Fluorophenol	44	(19 - 108)
2,4,6-Tribromophenol	57	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-017 Work Order #...: JT7K61AC Matrix.....: WG
Date Sampled...: 04/18/07 15:30 Date Received..: 04/19/07
Prep Date.....: 04/21/07 Analysis Date..: 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 Initial Wgt/Vol: 940 mL Final Wgt/Vol..: 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K61AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K61AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	39	(32 - 112)
2-Fluorobiphenyl	36	(30 - 110)
Terphenyl-d14	67	(51 - 135)
Phenol-d5	36	(10 - 117)
2-Fluorophenol	31	(19 - 108)
2,4,6-Tribromophenol	41 *	(42 - 124)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AE **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	58	(32 - 112)
2-Fluorobiphenyl	55	(30 - 110)
Terphenyl-d14	66	(51 - 135)
Phenol-d5	48	(10 - 117)
2-Fluorophenol	46	(19 - 108)
2,4,6-Tribromophenol	40 *	(42 - 124)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AC **Matrix.....:** WG
Date Sampled...: 04/18/07 13:12 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	55	(32 - 112)
2-Fluorobiphenyl	52	(30 - 110)
Terphenyl-d14	72	(51 - 135)
Phenol-d5	51	(10 - 117)
2-Fluorophenol	50	(19 - 108)
2,4,6-Tribromophenol	57	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AC **Matrix.....:** WQ
Date Sampled...: 04/18/07 13:20 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1040 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AC **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(32 - 112)
2-Fluorobiphenyl	58	(30 - 110)
Terphenyl-d14	74	(51 - 135)
Phenol-d5	58	(10 - 117)
2-Fluorophenol	56	(19 - 108)
2,4,6-Tribromophenol	57	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AC **Matrix.....:** WG
Date Sampled...: 04/18/07 12:30 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	51	(32 - 112)
2-Fluorobiphenyl	47	(30 - 110)
Terphenyl-d14	71	(51 - 135)
Phenol-d5	47	(10 - 117)
2-Fluorophenol	46	(19 - 108)
2,4,6-Tribromophenol	49	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AC **Matrix.....:** WG
Date Sampled...: 04/18/07 14:45 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	57	(32 - 112)
2-Fluorobiphenyl	54	(30 - 110)
Terphenyl-d14	58	(51 - 135)
Phenol-d5	52	(10 - 117)
2-Fluorophenol	50	(19 - 108)
2,4,6-Tribromophenol	57	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AC **Matrix.....:** WG
Date Sampled...: 04/18/07 15:27 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D190102-029 Work Order #...: JT7L51AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	59	(32 - 112)
2-Fluorobiphenyl	54	(30 - 110)
Terphenyl-d14	75	(51 - 135)
Phenol-d5	55	(10 - 117)
2-Fluorophenol	52	(19 - 108)
2,4,6-Tribromophenol	59	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AC **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 910 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-017 Work Order #...: JT4M81AC Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AC **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(32 - 112)
2-Fluorobiphenyl	64	(30 - 110)
Terphenyl-d14	89	(51 - 135)
Phenol-d5	57	(10 - 117)
2-Fluorophenol	37	(19 - 108)
2,4,6-Tribromophenol	62	(42 - 124)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JVENL1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D210000-036

Prep Date.....: 04/21/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/30/07 **Prep Batch #...:** 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzoic acid	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	5.0	ug/L	SW846 8270C
Phenol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 Work Order #...: JVENL1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Acenaphthene	ND	0.20	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	54	(32 - 112)
2-Fluorobiphenyl	49	(30 - 110)
Terphenyl-d14	84	(51 - 135)
Phenol-d5	49	(10 - 117)
2-Fluorophenol	47	(19 - 108)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JVENL1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D210000-036
Prep Date.....: 04/21/07 **Analysis Date..:** 04/30/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	43	(30 - 136)	SW846 8270C
Phenol	**80**	**(30 - 115)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	85	(30 - 115)	SW846 8270C
2-Chlorophenol	**79**	**(30 - 120)**	**SW846 8270C**
1,3-Dichlorobenzene	71	(30 - 120)	SW846 8270C
1,4-Dichlorobenzene	**100**	**(30 - 115)**	**SW846 8270C**
1,2-Dichlorobenzene	76	(30 - 120)	SW846 8270C
2-Methylphenol	78	(30 - 116)	SW846 8270C
bis(2-Chloroisopropyl) ether	87	(50 - 150)	SW846 8270C
4-Methylphenol	81	(31 - 115)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**99**	**(30 - 132)**	**SW846 8270C**
Hexachloroethane	65	(30 - 120)	SW846 8270C
Nitrobenzene	92	(31 - 115)	SW846 8270C
Isophorone	106	(33 - 115)	SW846 8270C
2-Nitrophenol	83	(33 - 115)	SW846 8270C
2,4-Dimethylphenol	68	(31 - 120)	SW846 8270C
bis(2-Chloroethoxy) methane	93	(30 - 115)	SW846 8270C
2,4-Dichlorophenol	80	(34 - 115)	SW846 8270C
1,2,4-Trichloro-benzene	**71**	**(30 - 120)**	**SW846 8270C**
Naphthalene	81	(30 - 119)	SW846 8270C
4-Chloroaniline	84	(30 - 133)	SW846 8270C
Hexachlorobutadiene	64	(30 - 120)	SW846 8270C
4-Chloro-3-methylphenol	**89**	**(31 - 121)**	**SW846 8270C**
2-Methylnaphthalene	93	(32 - 115)	SW846 8270C
Hexachlorocyclopenta-diene	58	(30 - 115)	SW846 8270C
2,4,6-Trichloro-phenol	88	(39 - 115)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JVENL1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D210000-036

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4,5-Trichloro-phenol	80	(36 - 135)	SW846 8270C
2-Chloronaphthalene	84	(35 - 115)	SW846 8270C
2-Nitroaniline	103	(36 - 140)	SW846 8270C
Dimethyl phthalate	104	(42 - 116)	SW846 8270C
Acenaphthylene	96	(37 - 115)	SW846 8270C
2,6-Dinitrotoluene	96	(43 - 122)	SW846 8270C
3-Nitroaniline	95	(30 - 138)	SW846 8270C
2,4-Dinitrophenol	62	(29 - 146)	SW846 8270C
4-Nitrophenol	**91**	**(30 - 138)**	**SW846 8270C**
Dibenzofuran	94	(40 - 115)	SW846 8270C
2,4-Dinitrotoluene	**93**	**(34 - 151)**	**SW846 8270C**
Diethyl phthalate	105	(43 - 132)	SW846 8270C
4-Chlorophenyl phenyl ether	95	(40 - 115)	SW846 8270C
Fluorene	96	(41 - 115)	SW846 8270C
4-Nitroaniline	95	(30 - 140)	SW846 8270C
4,6-Dinitro-2-methylphenol	79	(42 - 144)	SW846 8270C
N-Nitrosodiphenylamine	103	(35 - 124)	SW846 8270C
4-Bromophenyl phenyl ether	96	(43 - 118)	SW846 8270C
Hexachlorobenzene	96	(42 - 123)	SW846 8270C
Pentachlorophenol	**79**	**(30 - 150)**	**SW846 8270C**
Phenanthrene	96	(45 - 117)	SW846 8270C
Anthracene	98	(45 - 118)	SW846 8270C
Carbazole	102	(49 - 126)	SW846 8270C
Di-n-butyl phthalate	107	(46 - 123)	SW846 8270C
Fluoranthene	105	(47 - 132)	SW846 8270C
Pyrene	**99**	**(35 - 139)**	**SW846 8270C**
Butyl benzyl phthalate	105	(37 - 136)	SW846 8270C
3,3'-Dichlorobenzidine	80	(30 - 160)	SW846 8270C
Benzo(a)anthracene	96	(43 - 138)	SW846 8270C
Chrysene	98	(42 - 142)	SW846 8270C
bis(2-Ethylhexyl) phthalate	100	(30 - 154)	SW846 8270C
Di-n-octyl phthalate	94	(36 - 151)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JVENL1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D210000-036

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzo(b)fluoranthene	99	(31 - 146)	SW846 8270C
Benzo(k)fluoranthene	101	(40 - 127)	SW846 8270C
Benzo(a)pyrene	99	(38 - 144)	SW846 8270C
Indeno(1,2,3-cd)pyrene	102	(37 - 130)	SW846 8270C
Dibenz(a,h)anthracene	103	(38 - 130)	SW846 8270C
Benzo(ghi)perylene	100	(35 - 129)	SW846 8270C
Atrazine	118	(30 - 120)	SW846 8270C
Acetophenone	91	(30 - 120)	SW846 8270C
1,1'-Biphenyl	91	(30 - 120)	SW846 8270C
Caprolactam	89	(30 - 120)	SW846 8270C
Benzaldehyde	96	(30 - 120)	SW846 8270C
Acenaphthene	**95**	**(31 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	69	(30 - 110)
Terphenyl-d14	87	(51 - 135)
Phenol-d5	66	(10 - 117)
2-Fluorophenol	66	(19 - 108)
2,4,6-Tribromophenol	70	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7111036 **Analysis Method :** 8270C **Analysis Date :** 04/27/2007

Preparation Batch : 7111036 **Preparation Type :** 3520C **Preparation Date :** 04/21/2007

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGWBGmw-006C-043	A7D190102019S	AQ	2,4-Dimethylphenol	39		0.00	45.00	135.00	20.00
			3,3'-Dichlorobenzidine	28		0.00	45.00	135.00	20.00
			4,6-Dinitro-2-methylphenol	37		0.00	45.00	135.00	20.00
			4-Chloroaniline	44		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	42		0.00	45.00	135.00	20.00
FWGWBGmw-006C-043	A7D190102019D		2,4-Dimethylphenol	38		0.00	45.00	135.00	20.00
			3,3'-Dichlorobenzidine	30		0.00	45.00	135.00	20.00
			4,6-Dinitro-2-methylphenol	42		0.00	45.00	135.00	20.00
			4-Chloroaniline	44		0.00	45.00	135.00	20.00
			Hexachlorobutadiene	42		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	39		0.00	45.00	135.00	20.00
			Hexachloroethane	39		0.00	45.00	135.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGWBGmw-006C-0438-GW	A7D190102019

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AG-MSD
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/21/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7111036
Dilution Factor: 1 **Initial Wgt/Vol:** 505 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzoic acid	50	(10 - 127)			SW846 8270C
	53	(10 - 127)	4.1	(0-99)	SW846 8270C
Phenol	**57**	**(10 - 116)**			**SW846 8270C**
	57	**(10 - 116)**	**0.03**	**(0-43)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	65	(57 - 120)			SW846 8270C
	65	(57 - 120)	0.78	(0-51)	SW846 8270C
2-Chlorophenol	**57**	**(37 - 106)**			**SW846 8270C**
	55	**(37 - 106)**	**3.7**	**(0-43)**	**SW846 8270C**
1,3-Dichlorobenzene	51	(35 - 114)			SW846 8270C
	46	(35 - 114)	10	(0-89)	SW846 8270C
1,4-Dichlorobenzene	**73**	**(32 - 98)**			**SW846 8270C**
	65	**(32 - 98)**	**12**	**(0-36)**	**SW846 8270C**
1,2-Dichlorobenzene	54	(43 - 112)			SW846 8270C
	51	(43 - 112)	6.2	(0-85)	SW846 8270C
2-Methylphenol	53	(42 - 113)			SW846 8270C
	53	(42 - 113)	1.3	(0-73)	SW846 8270C
bis(2-Chloroisopropyl) ether	63	(53 - 122)			SW846 8270C
	62	(53 - 122)	0.53	(0-52)	SW846 8270C
4-Methylphenol	52	(29 - 122)			SW846 8270C
	52	(29 - 122)	0.05	(0-55)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**67**	**(18 - 115)**			**SW846 8270C**
	67	**(18 - 115)**	**0.02**	**(0-36)**	**SW846 8270C**
Hexachloroethane	45	(28 - 94)			SW846 8270C
	39	(28 - 94)	16	(0-92)	SW846 8270C
Nitrobenzene	67	(56 - 125)			SW846 8270C
	66	(56 - 125)	1.8	(0-81)	SW846 8270C
Isophorone	73	(56 - 112)			SW846 8270C
	72	(56 - 112)	2.5	(0-50)	SW846 8270C
2-Nitrophenol	62	(51 - 131)			SW846 8270C
	60	(51 - 131)	2.5	(0-77)	SW846 8270C
2,4-Dimethylphenol	39	(28 - 109)			SW846 8270C
	38	(28 - 109)	4.4	(0-62)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
bis(2-Chloroethoxy) methane	66	(57 - 114)			SW846 8270C
	65	(57 - 114)	1.7	(0-49)	SW846 8270C
2,4-Dichlorophenol	57	(52 - 121)			SW846 8270C
	56	(52 - 121)	1.9	(0-88)	SW846 8270C
1,2,4-Trichloro- benzene	**53**	**(22 - 110)**			**SW846 8270C**
	48	**(22 - 110)**	**9.5**	**(0-37)**	**SW846 8270C**
Naphthalene	60	(50 - 176)			SW846 8270C
	58	(50 - 176)	2.2	(0-52)	SW846 8270C
4-Chloroaniline	44	(15 - 109)			SW846 8270C
	44	(15 - 109)	1.5	(0-99)	SW846 8270C
Hexachlorobutadiene	49	(35 - 118)			SW846 8270C
	42	(35 - 118)	13	(0-56)	SW846 8270C
4-Chloro-3-methylphenol	**66**	**(47 - 111)**			**SW846 8270C**
	66	**(47 - 111)**	**0.82**	**(0-55)**	**SW846 8270C**
2-Methylnaphthalene	68	(45 - 119)			SW846 8270C
	65	(45 - 119)	3.8	(0-51)	SW846 8270C
Hexachlorocyclopenta- diene	42	(10 - 98)			SW846 8270C
	39	(10 - 98)	7.2	(0-97)	SW846 8270C
2,4,6-Trichloro- phenol	63	(46 - 122)			SW846 8270C
	61	(46 - 122)	2.9	(0-98)	SW846 8270C
2,4,5-Trichloro- phenol	67	(45 - 125)			SW846 8270C
	66	(45 - 125)	1.8	(0-74)	SW846 8270C
2-Chloronaphthalene	61	(51 - 119)			SW846 8270C
	58	(51 - 119)	4.2	(0-51)	SW846 8270C
2-Nitroaniline	83	(48 - 125)			SW846 8270C
	82	(48 - 125)	1.2	(0-83)	SW846 8270C
Dimethyl phthalate	85	(25 - 127)			SW846 8270C
	84	(25 - 127)	1.9	(0-99)	SW846 8270C
Acenaphthylene	71	(49 - 111)			SW846 8270C
	70	(49 - 111)	1.3	(0-51)	SW846 8270C
2,6-Dinitrotoluene	78	(58 - 127)			SW846 8270C
	78	(58 - 127)	0.26	(0-82)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
3-Nitroaniline	72	(19 - 126)			SW846 8270C
	71	(19 - 126)	2.0	(0-99)	SW846 8270C
2,4-Dinitrophenol	46	(14 - 138)			SW846 8270C
	51	(14 - 138)	11	(0-99)	SW846 8270C
4-Nitrophenol	**76**	**(10 - 123)**			**SW846 8270C**
	74	**(10 - 123)**	**3.0**	**(0-34)**	**SW846 8270C**
Dibenzofuran	74	(51 - 117)			SW846 8270C
	72	(51 - 117)	2.7	(0-51)	SW846 8270C
2,4-Dinitrotoluene	**80**	**(31 - 131)**			**SW846 8270C**
	81	**(31 - 131)**	**1.8**	**(0-32)**	**SW846 8270C**
Diethyl phthalate	88	(41 - 118)			SW846 8270C
	87	(41 - 118)	1.5	(0-81)	SW846 8270C
4-Chlorophenyl phenyl ether	78	(51 - 118)			SW846 8270C
	77	(51 - 118)	0.66	(0-51)	SW846 8270C
Fluorene	77	(51 - 119)			SW846 8270C
	76	(51 - 119)	2.3	(0-51)	SW846 8270C
4-Nitroaniline	73	(20 - 122)			SW846 8270C
	74	(20 - 122)	0.70	(0-99)	SW846 8270C
4,6-Dinitro-2-methylphenol	37 a	(40 - 130)			SW846 8270C
	42	(40 - 130)	14	(0-99)	SW846 8270C
N-Nitrosodiphenylamine	67	(49 - 117)			SW846 8270C
	68	(49 - 117)	1.4	(0-51)	SW846 8270C
4-Bromophenyl phenyl ether	79	(51 - 119)			SW846 8270C
	77	(51 - 119)	2.2	(0-51)	SW846 8270C
Hexachlorobenzene	79	(48 - 123)			SW846 8270C
	78	(48 - 123)	1.7	(0-51)	SW846 8270C
Pentachlorophenol	**51**	**(38 - 137)**			**SW846 8270C**
	55	**(38 - 137)**	**6.2**	**(0-56)**	**SW846 8270C**
Phenanthrene	78	(52 - 117)			SW846 8270C
	77	(52 - 117)	0.85	(0-51)	SW846 8270C
Anthracene	77	(49 - 118)			SW846 8270C
	77	(49 - 118)	0.20	(0-51)	SW846 8270C
Carbazole	76	(48 - 119)			SW846 8270C
	75	(48 - 119)	1.3	(0-53)	SW846 8270C
Di-n-butyl phthalate	90	(41 - 121)			SW846 8270C
	90	(41 - 121)	0.32	(0-53)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Fluoranthene	89	(49 - 122)			SW846 8270C
	88	(49 - 122)	0.68	(0-53)	SW846 8270C
Pyrene	**83**	**(27 - 138)**			**SW846 8270C**
	82	**(27 - 138)**	**0.65**	**(0-31)**	**SW846 8270C**
Butyl benzyl phthalate	91	(41 - 127)			SW846 8270C
	91	(41 - 127)	0.56	(0-84)	SW846 8270C
3,3'-Dichlorobenzidine	28	(19 - 111)			SW846 8270C
	30	(19 - 111)	7.3	(0-99)	SW846 8270C
Benzo(a)anthracene	80	(48 - 115)			SW846 8270C
	80	(48 - 115)	0.34	(0-51)	SW846 8270C
Chrysene	82	(49 - 118)			SW846 8270C
	82	(49 - 118)	0.30	(0-52)	SW846 8270C
bis(2-Ethylhexyl) phthalate	89	(43 - 128)			SW846 8270C
	90	(43 - 128)	0.29	(0-84)	SW846 8270C
Di-n-octyl phthalate	84	(39 - 144)			SW846 8270C
	84	(39 - 144)	0.31	(0-89)	SW846 8270C
Benzo(b)fluoranthene	79	(44 - 123)			SW846 8270C
	80	(44 - 123)	1.9	(0-54)	SW846 8270C
Benzo(k)fluoranthene	84	(46 - 123)			SW846 8270C
	83	(46 - 123)	0.69	(0-53)	SW846 8270C
Benzo(a)pyrene	82	(44 - 122)			SW846 8270C
	85	(44 - 122)	2.8	(0-51)	SW846 8270C
Indeno(1,2,3-cd)pyrene	85	(39 - 126)			SW846 8270C
	86	(39 - 126)	1.7	(0-59)	SW846 8270C
Dibenz(a,h)anthracene	85	(45 - 127)			SW846 8270C
	86	(45 - 127)	0.90	(0-57)	SW846 8270C
Benzo(ghi)perylene	84	(44 - 122)			SW846 8270C
	85	(44 - 122)	1.1	(0-55)	SW846 8270C
Atrazine	101	(30 - 120)			SW846 8270C
	100	(30 - 120)	1.2	(0-20)	SW846 8270C
Benzaldehyde	72	(30 - 120)			SW846 8270C
	71	(30 - 120)	1.7	(0-20)	SW846 8270C
Acetophenone	66	(30 - 120)			SW846 8270C
	66	(30 - 120)	1.2	(0-20)	SW846 8270C
1,1'-Biphenyl	68	(30 - 120)			SW846 8270C
	65	(30 - 120)	3.6	(0-20)	SW846 8270C
Caprolactam	75	(30 - 120)			SW846 8270C
	84	(30 - 120)	10	(0-20)	SW846 8270C
Acenaphthene	**70**	**(26 - 118)**			**SW846 8270C**
	67	**(26 - 118)**	**4.6**	**(0-35)**	**SW846 8270C**

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	55	(32 - 112)
	51	(32 - 112)
2-Fluorobiphenyl	50	(30 - 110)
	47	(30 - 110)
Terphenyl-d14	74	(51 - 135)
	70	(51 - 135)
Phenol-d5	47	(10 - 117)
	45	(10 - 117)
2-Fluorophenol	43	(19 - 108)
	45	(19 - 108)
2,4,6-Tribromophenol	52	(42 - 124)
	49	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP8 DATE: 4-26-07

I.S.#: SV3274 $MeCl_2$ Lot#: E0BE33 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0426FT	SV3254			OK	(14:54)	
8SMM0426	SV3265			OK	Level II Review By: OKMV 4/30/07	
8SM0426	SV3264			OK		
8SML0426	SV3263			OK		
8SL0426	SV3262			OK		
8SLL0426	SV3261			OK		
8HH#0426	SV3269			OK		
8SHH0426	SV3268			OK		
8SH0426	SV3267			OK		
8SMH0426	SV3266			OK		
ICVTCL	SV3270			OK		
QCMRLCK	SV3265			OK		
JT4RC1AA	B	4-18 1L-2-1	St	rerun	+ TICS	
JT4RC1AC	C	1		rerun		
JVENL1AA	B JVENN	4-21		rerun/OK	rerun MS	
JVENL1AC	C JVENN	1		rerun	4-27-07 LCS	
JT4MN1AC		4-18		rerun		
JT4MQ1AC				rerun		
JT4MT1AC				OK		
JT4M41AC				OK		
JT4M61AC				OK		
JT4M01AE		1		OK		
JT4M01AF	MS	5W-2-1		OK		
JT4M01AG	MSD	1		OK		
JT4MW1AC		1L-2-1		OK		
JT4M21AC				OK		
JT4MB1AC				rerun		
JT4NC1AC				rerun		
JT4NE1AC				OK		
JT4NJ1AC				rerun		
JT4NT1AC				OK		
JT4NG1AC				OK		
QCMRLCL	SV3265	—	—	OK		

STL NORTH CANTON MS SEMIVOLATILE RUN LOG
INSTRUMENT: A4HP8

DATE: 4-26-07

I.S.#: SV3274 $MeCl_2$ Lot#: E08E33 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0426TT	SV3254			OK	(14:54)	gs.
SEE PAGE 20		for Stds		—	Level II Review By:	
JT7X01AA		4-21 1L-21	5t	OK		
JT8VC1AC		" "	1	RCW		"

4-26-07

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP8 DATE: 4-27-07

I.S.#: SV3274 $MeCl_2$ Lot#: E08E33 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0427+T	SV3254			OK	(10:31)	
8SMH0427	SV3266			OK	Level II Review By:	
QCMBLCK	SV3265			OK		
JVNGM1AA	B	4-26 1L-10-1	St	OK		
JVNGM1AC	C			OK		
JVNGM1AD	L			OK		
JVA691A7			2:100	OK		
~~JT7LM1AC~~		4-21 1L-2-1	St	OK	+TICS	
~~JT7LQ1AC~~				OK		
~~JT7LW1AC~~				OK		
~~JT7L31AC~~				OK		
~~JT7L51AC~~				OK		
~~JT7KQ1AC~~				OK		
~~JT7KV1AC~~				OK		
JVHJ91AA	B	4-24 250-21		OK		
JVHJ91AC	C			OK		
JVHJ91AD	L			OK		
JVA8D1AD			2:100	OK		
JVA8F1AD			1:100	OK		
~~JT7K11AC~~		4-21 1L-24	St	OK	+TICS	
~~JT7K41AC~~				OK		
~~JT7K61AC~~				OK		
~~JT7KE1AC~~				OK		
~~JT7KH1AC~~				OK		
~~JT7KL1AC~~				OK		
~~JT7J71AC~~				OK		
~~JT7LC1AE~~				OK		
JT7LC1AF	MS	SW-24		OK		
JT7LC1AG	MSD			OK		
JT4MN1AC		1L-2-1		OK		
JT4MQ1AC				OK		
JT4M81AC				OK		
JT4NC1AC				OK		

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP8 DATE: 4-27-07

I.S.#: SV3274 $MeCl_2$ Lot#: E08E33 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0427+T	SV3254			ok	(10:31)	
SEE PAGE 30		for stds		—	Level II Review By:	
JT4NJ1AC		4-18 4-21	5+	ok		
QCMRLCL	SV3265	— —	—	ok		
JT8VC1AC		4-21 4-21	5+	ok		

4-27-07

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP8 DATE: 4-30-07

LS.#: SV3274 $MeCl_2$ Lot#: E08E33 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
8DF0430TT	SV3254			OK	(11:08)	
8SMH0430	SV3266			OK	Level II Review By: 5/11/07	
QCMRLCK	SV3265			OK		
JT4RC1AA	B	4-18 1L-2-1	SI	OK	+TICS	
JT4RC1AC	C	"		OK	"	
JVENL1AA	B JVENN	4-21		OK		
JVENL1AC	C JVENN	"		OK	"	
QCMRLCL	SV3265	— —		OK		
JVHJV1AA	B	4-24 30g-2-1		OK		
JVHJV1AC	C			OK		
JVDN41AP				OK		
JVDN41AQ	MS			OK		
JVDN41AR	MSD			OK		
JVA5C1AX				~~OK~~ Rerun	HW 5/11/07	
JVA5H1AX				OK		
JVA5J1AX				OK		
JVA5E1AX				OK		
JVA5F1AX				OK		
JVA5G1AX				OK		
JT70T1AE				OK		
JT704 1AE				OK		
JT705 1AE				OK		
JT71T1AE		"		OK		
JVHHE1AA	B	4-24 1L-2-1		OK		
JVHHE1AC	C	"		OK		
JVHHE1AD	L	"		OK		
JVC3W1AP				OK		
JVC3X1AP				OK		
JVC311AP				OK		
JVC321AP				OK		
JVC331AP				OK		
JVC351AP		"	"	OK		
JT7031AE		4-24 30g 2-1	20.0	OK		

STL NORTH CANTON MS SEMIVOLATILE RUN LOG

INSTRUMENT: A4HP8 DATE: 4-30-07

I.S.#: SV3274 $MeCl_2$ Lot#: E08E33 GC Program #: 2

FILE NAME	LOT # / FILE NAME	SAMPLE PREP	D.F.	QUAL	COMMENTS	ANALYST
SDF0430+T	SV3254			OK	(11:46)	
SEE PAGE 37		for SVOCs		—	Level II Review By:	
JT71L1AE		4-24 30g-2	40.100	OK		
JT71V1AE		↓ ↓	40.100	OK		
JT71R1AE		↓ ↓	40.100	OK		

4-30-07

STL North Canton

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

Run Date: 5/7/2007
Time: 12:35:42

LEV 1	LEV 2		LEV 1	LEV 2			
Y	Y	Blank	Y	Y	Weights/Volumes	Y	Expanded Deliverable
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet	Y	COC Completed
Y	Y	MS/MSD	Y	Y	Vial contains correct volume	Y	Bench Sheet Copied
			Y	Y	Labels, greenbars, worksheets		
					computer batch: correct &		
			-	-	Anomalies to Extraction Method	-	Package Submitted to AnalyticalGroup
						-	Bench Sheet Copied per COC

Extractionist: 402756 Lisa Hines

Concentrationist: 403254 Leslie Keen
005502 Christopher Short

Reviewer/Date: FREELANS / 4/22/07

QC BATCH: 7111036

PREP DATE: 4/21/07
COMP DATE: 4/22/07

Base/Neutrals and Acids (8270C)
LIQ/LIQ, CONT (A/B/N) - Acid->Base

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/24/07	5/03/07	A7D190102-001 **JT7J7-1-AC**	D	49	QL	WATER	1010mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/25/07	5/03/07	A7D190102-011 **JT7KV-1-AC**	D	49	QL	WATER	960mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/24/07	5/03/07	A7D190102-013 **JT7K1-1-AC**	D	49	QL	WATER	1030mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/25/07	5/03/07	A7D190102-015 **JT7K4-1-AC**	D	49	QL	WATER	980mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/25/07	5/03/07	A7D190102-017 **JT7K6-1-AC**	D	49	QL	WATER	940mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/25/07	5/03/07	A7D190102-019 **JT7LC-1-AE**	D	49	QL	WATER	1020mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779

938

STL North Canton

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

****
* *
*QC BATCH: 7111036 *
* *
****

PREP DATE: 4/21/07
COMP DATE: 4/22/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/25/07	5/03/07	A7D190102-019 **JT7LC-1-AF S**	D	49	QL	WATER	505mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		#44506/RES A048262
													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-019 **JT7LC-1-AG D**	D	49	QL	WATER	505mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		#44506/RES A048262
													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-021 **JT7LM-1-AC**	D	49	QL	WATER	1050mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-023 **JT7LQ-1-AC**	D	49	QL	WATER	1040mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-025 **JT7LW-1-AC**	D	49	QL	WATER	1030mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-027 **JT7L3-1-AC**	D	49	QL	WATER	1020mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-029 **JT7L5-1-AC**	D	49	QL	WATER	1010mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-003 **JT7KE-1-AC**	D	49	QL	WATER	970mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		BNA SURR #44779
4/25/07	5/03/07	A7D190102-005 **JT7KH-1-AC**	D	49	QL	WATER	1000mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:													0.2ML		BNA SURR #44779

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STL North Canton

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

QC BATCH: 7111036

PREP DATE: 4/21/07
COMP DATE: 4/22/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/25/07	5/03/07	A7D190102-007 **JT7KL-1-AC**	D	49	QL	WATER	990mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/25/07	5/03/07	A7D190102-009 **JT7KQ-1-AC**	D	49	QL	WATER	1030mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/24/07	5/03/07	A7D210000-036 **JVENL-1-AA B**		49	QL	WATER	1000mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	BNA SURR #44779
4/24/07		A7D210000-036 **JVENL-1-AC C**		49	QL	WATER	1000mL 2.00mL	7.0	2	NA	DCM	250.0		0.0	
COMMENTS:														0.2ML	#44506/RES A048262
														0.2ML	BNA SURR #44779

S/S LH

DCM #E07E12 NA2SO4 #C44595 1:1 #C06073 10N #A12596

ASSOC QC W/7111037

NUMBER OF WORK ORDERS IN BATCH: 19

940

PESTICIDE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-001 **Work Order #...:** JT7J71AD **Matrix.....:** WG
Date Sampled...: 04/17/07 18:55 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	**0.0094 J**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.025 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	**0.027 J**	**0.030**	**ug/L**
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(39 - 130)
Decachlorobiphenyl	81	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AD **Matrix.....:** WG
Date Sampled...: 04/18/07 13:30 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 960 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(39 - 130)
Decachlorobiphenyl	43	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH1AD **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	**0.0087 J**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(39 - 130)
Decachlorobiphenyl	69	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-007 **Work Order #...:** JT7KL1AD **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(39 - 130)
Decachlorobiphenyl	63	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AD **Matrix.....:** WG
Date Sampled...: 04/18/07 09:20 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(39 - 130)
Decachlorobiphenyl	63	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-011 **Work Order #...:** JT7KV1AD **Matrix.....:** WG
Date Sampled...: 04/18/07 17:10 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 980 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(39 - 130)
Decachlorobiphenyl	40	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AD **Matrix.....:** WG
Date Sampled...: 04/17/07 17:25 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1040 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.028 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(39 - 130)
Decachlorobiphenyl	16	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AD **Matrix.....:** WG
Date Sampled...: 04/18/07 11:25 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 940 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	**0.0081 J**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(39 - 130)
Decachlorobiphenyl	64	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K61AD **Matrix.....:** WG
Date Sampled...: 04/18/07 15:30 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 980 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	58	(39 - 130)
Decachlorobiphenyl	51	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AH **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(39 - 130)
Decachlorobiphenyl	62	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AD **Matrix.....:** WG
Date Sampled...: 04/18/07 13:12 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.016 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(39 - 130)
Decachlorobiphenyl	70	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AD **Matrix.....:** WQ
Date Sampled...: 04/18/07 13:20 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(39 - 130)
Decachlorobiphenyl	72	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AD **Matrix.....:** WG
Date Sampled...: 04/18/07 12:30 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1040 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(39 - 130)
Decachlorobiphenyl	18	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AD **Matrix.....:** WG
Date Sampled...: 04/18/07 14:45 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	64	(39 - 130)
Decachlorobiphenyl	23	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AD **Matrix.....:** WG
Date Sampled...: 04/18/07 15:27 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(39 - 130)
Decachlorobiphenyl	83	(10 - 147)

FORM 8
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D190102

GC Column: CLP PESTICIDES ID: 0.53 (mm) Init. Calib. Date(s): 04/27/07 04/27/07

Instrument ID: A2HP3

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION						
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01	ICAL	PEM E039	04/27/07	0904				
02	ICAL	TOX1 D897	04/27/07	0929				
03	ICAL	TOX2 D897	04/27/07	0953				
04	ICAL	TOX3 D897	04/27/07	1017				
05	ICAL	TOX4 D897	04/27/07	1042				
06	ICAL	TOX5 D897	04/27/07	1106				
07	ICAL	AB1 E003	04/27/07	1333				
08	ICAL	AB2 E004	04/27/07	1357				
09	ICAL	AB3 E005	04/27/07	1422				
10	ICAL	AB4 E006	04/27/07	1446				
11	ICAL	AB5 E007	04/27/07	1511				
12	ICAL	AB6 E008	04/27/07	1535				
13		MRL	04/27/07	1649				
14	FWGBKGMW-012	JT7KE1AD	04/27/07	1713				
15	FWGWBGMW-006	JT7LC1AH	04/27/07	1802				
16		TOX3 D897	04/27/07	1827				
17		PEM E039	04/27/07	1916				
18		AB3 E005	04/27/07	1940				
19		MRL	04/27/07	2004				
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp3.i Injection Date: 27-APR-2007 16:24
Lab File ID: 022F2201.D Init. Cal. Date(s): 27-APR-2007 27-APR-2007
Analysis Type: Init. Cal. Times: 09:29 15:35
Lab Sample ID: ICV Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp3.i\70427IC-1.b\PEST3.m\pest3r.m

COMPOUND	RRF / AMOUNT	RF0.050	CCAL RRF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	480011088	565621320	565621320	0.000	-17.83505	15.00000	Averaged	<-
4 alpha-BHC	1.080e+09	1.230e+09	1.230e+09	0.010	-13.85030	15.00000	Averaged	
5 gamma-BHC (Lindane)	467914899	530024500	530024500	0.010	-13.27370	15.00000	Averaged	
6 beta-BHC	179394297	197135780	197135780	0.010	-9.88966	15.00000	Averaged	
7 delta-BHC	366227307	424153200	424153200	0.010	-15.81692	15.00000	Averaged	<- 115.8%
8 Heptachlor	314165070	359831280	359831280	0.010	-14.53574	15.00000	Averaged	
10 Aldrin	359679056	416254060	416254060	0.010	-16.87641	15.00000	Averaged	<- 116.4%
12 Heptachlor epoxide	357741664	412612620	412612620	0.010	-15.38815	15.00000	Averaged	<- 115.38%
13 gamma-Chlordane	362864140	413853720	413853720	0.010	-14.05198	15.00000	Averaged	
14 alpha-Chlordane	375310818	430596600	430596600	0.010	-14.73067	15.00000	Averaged	
16 4,4'-DDE	723570479	853430600	853430600	0.010	-17.94716	15.00000	Averaged	<- 117.9%
15 Endosulfan I	617988780	699702740	699702740	0.010	-13.22256	15.00000	Averaged	
17 Dieldrin	376776804	440836100	440836100	0.010	-17.02566	15.00000	Averaged	<- 117.6%
20 Endrin	554817748	639393720	639393720	0.010	-15.24392	15.00000	Averaged	<- 115.2%
22 4,4'-DDD	450598859	495151900	495151900	0.010	-9.88752	15.00000	Averaged	
23 Endosulfan II	279867083	310653640	310653640	0.010	-11.00042	15.00000	Averaged	
24 4,4'-DDT	388235050	437817820	437817820	0.010	-12.77133	15.00000	Averaged	
25 Endrin aldehyde	359386719	388127940	388127940	0.010	-7.99730	15.00000	Averaged	
26 Endosulfan sulfate	229860352	248567100	248567100	0.010	-8.13831	15.00000	Averaged	
28 Methoxychlor	167781906	180838260	180838260	0.010	-7.78174	15.00000	Averaged	
29 Endrin ketone	374603229	399066220	399066220	0.010	-6.53037	15.00000	Averaged	
$ 30 Decachlorobiphenyl	208879043	216514660	216514660	0.010	-3.65552	15.00000	Averaged	

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 10:45
Lab File ID: 068F6801.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: MRL Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.005	CCAL RRF0.005	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	105246988	101431600	101431600	0.000	3.62518	15.00000	Averaged
4 alpha-BHC	171507456	153934000	153934000	0.010	10.24647	15.00000	Averaged
5 gamma-BHC (Lindane)	146962380	135094600	135094600	0.010	8.07539	15.00000	Averaged
6 beta-BHC	26746158	26988200	26988200	0.010	-0.90496	15.00000	Averaged
7 delta-BHC	152073721	137259600	137259600	0.010	9.74141	15.00000	Averaged
8 Heptachlor	122350670	116191200	116191200	0.010	5.03428	15.00000	Averaged
10 Aldrin	155998949	146499600	146499600	0.010	6.08937	15.00000	Averaged
12 Heptachlor epoxide	137512679	213398000	213398000	0.010	-55.18424	15.00000	Averaged
13 gamma-Chlordane	136812268	128080800	128080800	0.010	6.38208	15.00000	Averaged
14 alpha-Chlordane	139043540	126194000	126194000	0.010	9.24138	15.00000	Averaged
15 Endosulfan I	129419632	118193200	118193200	0.010	8.67444	15.00000	Averaged
16 4,4'-DDE	139207758	123998400	123998400	0.010	10.92565	15.00000	Averaged
17 Dieldrin	142601504	124417200	124417200	0.010	12.75183	15.00000	Averaged
18 Endrin	119111954	112693000	112693000	0.010	5.38901	15.00000	Averaged
21 4,4'-DDD	92035861	93828400	93828400	0.010	-1.94765	15.00000	Averaged
22 Endosulfan II	123582956	111633200	111633200	0.010	9.66942	15.00000	Averaged
24 4,4'-DDT	78113563	68966200	68966200	0.010	11.71034	15.00000	Averaged
25 Endrin aldehyde	82058744	73780600	73780600	0.010	10.08807	15.00000	Averaged
26 Endosulfan sulfate	100162687	95013000	95013000	0.010	5.14132	15.00000	Averaged
27 Methoxychlor	18928632	18903200	18903200	0.010	0.13436	15.00000	Averaged
29 Endrin ketone	102730933	100317800	100317800	0.010	2.34898	15.00000	Averaged
$ 30 Decachlorobiphenyl	50158169	50656800	50656800	0.010	-0.99412	15.00000	Averaged

<- 155.2

Average %D / Drift Results.

Calculated Average %D/Drift = 8.83182
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Subject: RE: Pesticides A7D190102
From: "Loeb, Mark" <MLoeb@stl-inc.com>
Date: Mon, 18 Jun 2007 09:53:56 -0600
To: "Heather Medley" <hmedley@eqm.com>
CC: "Stiller, Jennifer" <JStiller@stl-inc.com>, "Erik Corbin" <ecorbin@eqm.com>, "Serra, Angela" <aserra@stl-inc.com>

Heather,

I received a call from the lab on this one. I think you have the calculation correct.
However, the CCVs %D's (negative values) indicate the CCV failed high, not low. Because the %D's were out high, none of the samples associated with this CCV were reported that contained concentrations above the reporting limit.

MJL

Mark J. Loeb
Project Manager
TestAmerica (formerly STL - North Canton)
4101 Shuffel Drive, N. W.
North Canton, OH 44720
Direct line: 330-966-9387
Fax: 330-497-0772
The Leader in Environmental Testing

-----Original Message-----
From: Heather Medley [mailto:hmedley@eqm.com]
Sent: Monday, June 18, 2007 10:42 AM
To: Loeb, Mark
Cc: Stiller, Jennifer; Erik Corbin
Subject: Pesticides A7D190102
Importance: High

Mark,

Can you clarify how the Pesticide CCV %Ds were calculated for SDG A7D190102?

For example, the CCV on 4/24 @ 1451 instrument A2HP9, all the analytes were out low. However, per 8000b, %D = (CF (CCV) - avg CF)/avg CF *100. It doesn't appear the %Ds were calculated that way.

The CCV %Ds as reported would reject data.

Can you please have a clarification by 12 noon today?

--
Heather Medley
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, Ohio 45240
(513) 825-7500 voice
(513) 825-7495 fax

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FORM 8
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D190102

GC Column: CLP PESTICIDES I ID: 0.53 (mm) Init. Calib. Date(s): 04/12/07 04/12/07

Instrument ID: A2HP9

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		TOX3 D897	04/23/07	1117		
02		PEM E039	04/24/07	0340		
03		AB3 E005	04/24/07	0403		
04		MRL	04/24/07	0425		
05	FWGLL2MW-059	JT7J71AD	04/24/07	0510		
06	FWGWBGMW-009	JT7KH1AD	04/24/07	0554		
07	FWGWBGMW-DUP	JT7KL1AD	04/24/07	0617		
08	FWGWBGMW-007	JT7KQ1AD	04/24/07	0639		
09	FWGBKGMW-006	JT7KV1AD	04/24/07	0831		
10	FWGCBPMW-006	JT7K11AD	04/24/07	0853		
11	FWGBKGMW-020	JT7K41AD	04/24/07	0915		
12	FWGBKGMW-013	JT7K61AD	04/24/07	0938		
13		AB3 E005	04/24/07	1022		
14		MRL	04/24/07	1045		
15	FWGWBGMW-006	JT7LC1AJ	04/24/07	1107		
16	FWGWBGMW-006	JT7LC1AK	04/24/07	1129		
17	FWGBKGMW-018	JT7LM1AD	04/24/07	1152		
18	FWGEQUIPRINS	JT7LQ1AD	04/24/07	1214		
19	FWGBKGMW-019	JT7LW1AD	04/24/07	1237		
20	FWGBKGMW-005	JT7L31AD	04/24/07	1259		
21	FWGBKGMW-016	JT7L51AD	04/24/07	1321		
22	JT955BLK	JT9551AA	04/24/07	1344		
23	JT955CHK	JT9551AC	04/24/07	1406		
24		PEM E039	04/24/07	1428		
25		AB3 E005	04/24/07	1451		
26		MRL	04/24/07	1513		
27		TOX3 D897	04/24/07	1941		
28						
29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 04:03
Lab File ID: 050F5001.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	83393680	83393680	0.000	-5.50339	15.00000	Averaged	
4 alpha-BHC	128794705	143306200	143306200	0.010	-11.26715	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	86092040	86092040	0.010	-17.34981	15.00000	Averaged	<-
6 beta-BHC	45761657	51335560	51335560	0.010	-12.18029	15.00000	Averaged	
7 delta-BHC	109863679	124111160	124111160	0.010	-12.96833	15.00000	Averaged	
8 Heptachlor	90540498	110900040	110900040	0.010	-22.48667	15.00000	Averaged	<-
10 Aldrin	114771648	122741480	122741480	0.010	-6.94408	15.00000	Averaged	
12 Heptachlor epoxide	100418434	110804640	110804640	0.010	-10.34293	15.00000	Averaged	
13 gamma-Chlordane	99670232	108250120	108250120	0.010	-8.60828	15.00000	Averaged	
14 alpha-Chlordane	101825510	110150160	110150160	0.010	-8.17541	15.00000	Averaged	
15 Endosulfan I	96547530	105201400	105201400	0.010	-8.96333	15.00000	Averaged	
16 4,4'-DDE	103540003	110490920	110490920	0.010	-6.71327	15.00000	Averaged	
17 Dieldrin	102742603	111433000	111433000	0.010	-8.45842	15.00000	Averaged	
18 Endrin	91631696	104453800	104453800	0.010	-13.99309	15.00000	Averaged	
20 4,4'-DDD	63752723	77035600	77035600	0.010	-20.83500	15.00000	Averaged	<-
22 Endosulfan II	89214558	100061520	100061520	0.010	-12.15829	15.00000	Averaged	
23 4,4'-DDT	60776833	67990880	67990880	0.010	-11.86973	15.00000	Averaged	
25 Endrin aldehyde	60725424	71062560	71062560	0.010	-17.02275	15.00000	Averaged	<-
27 Methoxychlor	31931631	37770840	37770840	0.010	-18.28660	15.00000	Averaged	<-
28 Endosulfan sulfate	75068450	85737760	85737760	0.010	-14.21278	15.00000	Averaged	
29 Endrin ketone	75318670	89891040	89891040	0.010	-19.34762	15.00000	Averaged	<-
$ 30 Decachlorobiphenyl	84660049	94867800	94867800	0.010	-12.05734	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 12.71566
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

% Difference: $\frac{CF_i - \overline{CF}}{\overline{CF}} \times 100$

$\frac{361.641887}{\text{\#20}} = 13.05$

8000b 24 pg.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 10:22
Lab File ID: 067F6701.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	80054040	80054040	0.000	-1.27833	15.00000	Averaged	
4 alpha-BHC	128794705	137217840	137217840	0.010	-6.53997	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	80739320	80739320	0.010	-10.05365	15.00000	Averaged	
6 beta-BHC	45761657	49646680	49646680	0.010	-8.48969	15.00000	Averaged	
7 delta-BHC	109863679	119605000	119605000	0.010	-8.86673	15.00000	Averaged	
8 Heptachlor	90540498	102010480	102010480	0.010	-12.66834	15.00000	Averaged	
10 Aldrin	114771648	119566480	119566480	0.010	-4.17771	15.00000	Averaged	
12 Heptachlor epoxide	100418434	106663000	106663000	0.010	-6.21855	15.00000	Averaged	
13 gamma-Chlordane	99670232	146668400	146668400	0.010	-47.15367	15.00000	Averaged	<-
14 alpha-Chlordane	101825510	104946880	104946880	0.010	-3.06541	15.00000	Averaged	
15 Endosulfan I	96547530	100397760	100397760	0.010	-3.98791	15.00000	Averaged	
16 4,4'-DDE	103540003	107870240	107870240	0.010	-4.18219	15.00000	Averaged	
17 Dieldrin	102742603	106737840	106737840	0.010	-3.88859	15.00000	Averaged	
18 Endrin	91631696	101103080	101103080	0.010	-10.33636	15.00000	Averaged	
20 4,4'-DDD	63752723	74780480	74780480	0.010	-17.29770	15.00000	Averaged	<-
22 Endosulfan II	89214558	91047760	91047760	0.010	-2.05482	15.00000	Averaged	
23 4,4'-DDT	60776833	62157440	62157440	0.010	-2.27160	15.00000	Averaged	
25 Endrin aldehyde	60725424	62821720	62821720	0.010	-3.45209	15.00000	Averaged	
27 Methoxychlor	31931631	33653000	33653000	0.010	-5.39080	15.00000	Averaged	
28 Endosulfan sulfate	75068450	77655640	77655640	0.010	-3.44644	15.00000	Averaged	
29 Endrin ketone	75318670	78037120	78037120	0.010	-3.60926	15.00000	Averaged	
$ 30 Decachlorobiphenyl	84660049	87477400	87477400	0.010	-3.32784	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.80717
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

$\frac{167.15748}{20} = 8.3588$

$\frac{146668400 - 99670232}{99670232} = 47.2\%$

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 14:51
Lab File ID: 079F7901.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	98444600	98444600	0.000	-24.54468	15.00000	Averaged	<-
4 alpha-BHC	128794705	161458600	161458600	0.010	-25.36121	15.00000	Averaged	<-
5 gamma-BHC (Lindane)	73363598	93611080	93611080	0.010	-27.59881	15.00000	Averaged	<-
6 beta-BHC	45761657	57562040	57562040	0.010	-25.78662	15.00000	Averaged	<-
7 delta-BHC	109863679	139550040	139550040	0.010	-27.02109	15.00000	Averaged	<-
8 Heptachlor	90540498	124860560	124860560	0.010	-37.90576	15.00000	Averaged	<-
10 Aldrin	114771648	141741320	141741320	0.010	-23.49855	15.00000	Averaged	<-
12 Heptachlor epoxide	100418434	123579360	123579360	0.010	-23.06442	15.00000	Averaged	<-
13 gamma-Chlordane	99670232	122130280	122130280	0.010	-22.53436	15.00000	Averaged	<-
14 alpha-Chlordane	101825510	125066840	125066840	0.010	-22.82466	15.00000	Averaged	<-
15 Endosulfan I	96547530	116973000	116973000	0.010	-21.15587	15.00000	Averaged	<-
16 4,4'-DDE	103540003	128714600	128714600	0.010	-24.31388	15.00000	Averaged	<-
17 Dieldrin	102742603	125944880	125944880	0.010	-22.58292	15.00000	Averaged	<-
18 Endrin	91631696	116874040	116874040	0.010	-27.54761	15.00000	Averaged	<-
20 4,4'-DDD	63752723	87466400	87466400	0.010	-37.19634	15.00000	Averaged	<-
22 Endosulfan II	89214558	111002800	111002800	0.010	-24.42230	15.00000	Averaged	<-
23 4,4'-DDT	60776833	82602280	82602280	0.010	-35.91080	15.00000	Averaged	<-
25 Endrin aldehyde	60725424	79273800	79273800	0.010	-30.54466	15.00000	Averaged	<-
27 Methoxychlor	31931631	44432640	44432640	0.010	-39.14930	15.00000	Averaged	<-
28 Endosulfan sulfate	75068450	94613640	94613640	0.010	-26.03649	15.00000	Averaged	<-
29 Endrin ketone	75318670	101878720	101878720	0.010	-35.26357	15.00000	Averaged	<-
$ 30 Decachlorobiphenyl	84660049	106544120	106544120	0.010	-25.84935	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 27.73242
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

Avg. > 20%

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i
Lab File ID: 005F0501.D
Analysis Type:
Lab Sample ID: TOX3 D897
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

Injection Date: 23-APR-2007 11:17
Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Init. Cal. Times: 11:09 20:50
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
23 Toxaphene (1)	4492994	3767478	3767478	0.010	16.14773	15.00000	Averaged	<-
(2)	4247130	3586513	3586513	0.010	15.55444	15.00000	Averaged	<-
(3)	6737495	5802976	5802976	0.010	13.87042	15.00000	Averaged	
(4)	3107323	2530826	2530826	0.010	18.55284	15.00000	Averaged	<-
(5)	2872350	2366209	2366209	0.010	17.62116	15.00000	Averaged	<-

Average %D / Drift Results.	
Calculated Average %D/Drift =	16.34932
Maximun Average %D/Drift =	15.00000
* Failed Average %D/Drift Test.	

$\frac{81.74659}{5} = 16.35\%$

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 10:22
Lab File ID: 067F6701.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	101482800	101482800	0.000	3.57653	15.00000	Averaged	
4 alpha-BHC	171507456	170459880	170459880	0.010	0.61080	15.00000	Averaged	
5 gamma-BHC (Lindane)	146962380	148024480	148024480	0.010	-0.72270	15.00000	Averaged	
6 beta-BHC	26746158	27405280	27405280	0.010	-2.46436	15.00000	Averaged	
7 delta-BHC	152073721	156003640	156003640	0.010	-2.58422	15.00000	Averaged	
8 Heptachlor	122350670	125294560	125294560	0.010	-2.40611	15.00000	Averaged	
10 Aldrin	155998949	153357360	153357360	0.010	1.69334	15.00000	Averaged	
12 Heptachlor epoxide	137512679	172234960	172234960	0.010	-25.25024	15.00000	Averaged	<-
13 gamma-Chlordane	136812268	134994520	134994520	0.010	1.32864	15.00000	Averaged	
14 alpha-Chlordane	139043540	135879880	135879880	0.010	2.27530	15.00000	Averaged	
15 Endosulfan I	129419632	127137960	127137960	0.010	1.76300	15.00000	Averaged	
16 4,4'-DDE	139207758	135628920	135628920	0.010	2.57086	15.00000	Averaged	
17 Dieldrin	142601504	137653560	137653560	0.010	3.46977	15.00000	Averaged	
18 Endrin	119111954	124199040	124199040	0.010	-4.27084	15.00000	Averaged	
21 4,4'-DDD	92035861	97024600	97024600	0.010	-5.42043	15.00000	Averaged	
22 Endosulfan II	123582956	119810960	119810960	0.010	3.05220	15.00000	Averaged	
24 4,4'-DDT	78113563	76293240	76293240	0.010	2.33035	15.00000	Averaged	
25 Endrin aldehyde	82058744	78326920	78326920	0.010	4.54775	15.00000	Averaged	
26 Endosulfan sulfate	100162687	98188360	98188360	0.010	1.97112	15.00000	Averaged	
27 Methoxychlor	18928632	18874240	18874240	0.010	0.28735	15.00000	Averaged	
29 Endrin ketone	102730933	97088960	97088960	0.010	5.49199	15.00000	Averaged	
$ 30 Decachlorobiphenyl	50158169	47530400	47530400	0.010	5.23897	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 3.78759
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

AVG. 3.7

Data File: 079F7901.D
Report Date: 24-Apr-2007 16:08

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 14:51
Lab File ID: 079F7901.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	125090000	125090000	0.000	-18.85376	15.00000	Averaged	<-
4 alpha-BHC	171507456	202675200	202675200	0.010	-18.17282	15.00000	Averaged	<-
5 gamma-BHC (Lindane)	146962380	175327720	175327720	0.010	-19.30109	15.00000	Averaged	<-
6 beta-BHC	26746158	31877920	31877920	0.010	-19.18691	15.00000	Averaged	<-
7 delta-BHC	152073721	184190920	184190920	0.010	-21.11949	15.00000	Averaged	<-
8 Heptachlor	122350670	154122360	154122360	0.010	-25.96773	15.00000	Averaged	<-
10 Aldrin	155998949	183921320	183921320	0.010	-17.89908	15.00000	Averaged	<-
12 Heptachlor epoxide	137512679	164882360	164882360	0.010	-19.90339	15.00000	Averaged	<-
13 gamma-Chlordane	136812268	162231320	162231320	0.010	-18.57951	15.00000	Averaged	<-
14 alpha-Chlordane	139043540	163060240	163060240	0.010	-17.27279	15.00000	Averaged	<-
15 Endosulfan I	129419632	151397320	151397320	0.010	-16.98173	15.00000	Averaged	<-
16 4,4'-DDE	139207758	165595400	165595400	0.010	-18.95558	15.00000	Averaged	<-
17 Dieldrin	142601504	166418880	166418880	0.010	-16.70205	15.00000	Averaged	<-
18 Endrin	119111954	144641880	144641880	0.010	-21.43355	15.00000	Averaged	<-
21 4,4'-DDD	92035861	116526600	116526600	0.010	-26.61000	15.00000	Averaged	<-
22 Endosulfan II	123582956	144993640	144993640	0.010	-17.32495	15.00000	Averaged	<-
24 4,4'-DDT	78113563	101455520	101455520	0.010	-29.88208	15.00000	Averaged	<-
25 Endrin aldehyde	82058744	99076760	99076760	0.010	-20.73882	15.00000	Averaged	<-
26 Endosulfan sulfate	100162687	112661440	112661440	0.010	-12.47845	15.00000	Averaged	
27 Methoxychlor	18928632	21574200	21574200	0.010	-13.97654	15.00000	Averaged	
29 Endrin ketone	102730933	113467280	113467280	0.010	-10.45094	15.00000	Averaged	
$ 30 Decachlorobiphenyl	50158169	56016920	56016920	0.010	-11.68055	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 18.79417
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

$\frac{382.9375}{20} = 19.14$

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AD **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	**0.067 PG**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(39 - 130)
Decachlorobiphenyl	22	(10 - 147)

NOTE(S):

PG The percent difference between the original and confirmation analyses is greater than 40%.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT9551AA **Matrix.....:** WATER
MB Lot-Sample #: A7D190000-506

Prep Date.....: 04/20/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/24/07 **Prep Batch #...:** 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	0.030	ug/L	SW846 8081A
beta-BHC	ND	0.030	ug/L	SW846 8081A
delta-BHC	ND	0.030	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.030	ug/L	SW846 8081A
Heptachlor	ND	0.030	ug/L	SW846 8081A
Aldrin	ND	0.030	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.030	ug/L	SW846 8081A
Endosulfan I	ND	0.025	ug/L	SW846 8081A
Dieldrin	ND	0.030	ug/L	SW846 8081A
4,4'-DDE	ND	0.030	ug/L	SW846 8081A
Endrin	ND	0.030	ug/L	SW846 8081A
Endosulfan II	ND	0.025	ug/L	SW846 8081A
4,4'-DDD	ND	0.030	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.030	ug/L	SW846 8081A
4,4'-DDT	ND	0.030	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Endrin ketone	ND	0.030	ug/L	SW846 8081A
Endrin aldehyde	ND	0.030	ug/L	SW846 8081A
alpha-Chlordane	ND	0.030	ug/L	SW846 8081A
gamma-Chlordane	ND	0.030	ug/L	SW846 8081A
Toxaphene	ND	2.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(39 - 130)
Decachlorobiphenyl	41	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT9551AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D190000-506
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 5 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	85	(44 - 137)	SW846 8081A
beta-BHC	86	(50 - 135)	SW846 8081A
delta-BHC	91	(58 - 160)	SW846 8081A
gamma-BHC (Lindane)	**84**	**(58 - 127)**	**SW846 8081A**
Heptachlor	**87**	**(48 - 150)**	**SW846 8081A**
Aldrin	**81**	**(53 - 128)**	**SW846 8081A**
Heptachlor epoxide	86	(50 - 127)	SW846 8081A
Endosulfan I	56	(50 - 160)	SW846 8081A
Dieldrin	**81**	**(50 - 124)**	**SW846 8081A**
4,4'-DDE	87	(50 - 130)	SW846 8081A
Endrin	**87**	**(50 - 137)**	**SW846 8081A**
Endosulfan II	61	(50 - 144)	SW846 8081A
4,4'-DDD	99	(50 - 137)	SW846 8081A
Endosulfan sulfate	85	(50 - 160)	SW846 8081A
4,4'-DDT	**92**	**(50 - 145)**	**SW846 8081A**
Methoxychlor	88	(50 - 160)	SW846 8081A
Endrin ketone	82	(50 - 150)	SW846 8081A
Endrin aldehyde	81	(30 - 160)	SW846 8081A
alpha-Chlordane	86	(50 - 122)	SW846 8081A
gamma-Chlordane	88	(50 - 130)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(39 - 130)
Decachlorobiphenyl	56	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AK-MSD
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 5 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	85	(62 - 133)			SW846 8081A
	77	(62 - 133)	9.5	(0-49)	SW846 8081A
beta-BHC	88	(37 - 157)			SW846 8081A
	90	(37 - 157)	1.7	(0-54)	SW846 8081A
delta-BHC	92	(36 - 176)			SW846 8081A
	95	(36 - 176)	2.6	(0-58)	SW846 8081A
gamma-BHC (Lindane)	**84**	**(30 - 148)**			**SW846 8081A**
	82	**(30 - 148)**	**2.2**	**(0-22)**	**SW846 8081A**
Heptachlor	**84**	**(30 - 150)**			**SW846 8081A**
	82	**(30 - 150)**	**2.7**	**(0-32)**	**SW846 8081A**
Aldrin	**82**	**(30 - 150)**			**SW846 8081A**
	79	**(30 - 150)**	**3.6**	**(0-33)**	**SW846 8081A**
Heptachlor epoxide	99	(57 - 138)			SW846 8081A
	96	(57 - 138)	3.0	(0-54)	SW846 8081A
Endosulfan I	58	(30 - 150)			SW846 8081A
	60	(30 - 150)	2.6	(0-36)	SW846 8081A
Dieldrin	**78**	**(35 - 141)**			**SW846 8081A**
	82	**(35 - 141)**	**5.3**	**(0-37)**	**SW846 8081A**
4,4'-DDE	80	(30 - 146)			SW846 8081A
	89	(30 - 146)	11	(0-87)	SW846 8081A
Endrin	**87**	**(30 - 150)**			**SW846 8081A**
	91	**(30 - 150)**	**4.7**	**(0-40)**	**SW846 8081A**
Endosulfan II	61	(30 - 150)			SW846 8081A
	65	(30 - 150)	6.2	(0-87)	SW846 8081A
4,4'-DDD	99	(30 - 150)			SW846 8081A
	105	(30 - 150)	6.0	(0-61)	SW846 8081A
Endosulfan sulfate	87	(47 - 143)			SW846 8081A
	90	(47 - 143)	3.4	(0-53)	SW846 8081A
4,4'-DDT	**89**	**(30 - 150)**			**SW846 8081A**
	99	**(30 - 150)**	**11**	**(0-50)**	**SW846 8081A**
Methoxychlor	92	(27 - 178)			SW846 8081A
	94	(27 - 178)	2.1	(0-64)	SW846 8081A
Endrin ketone	88	(45 - 130)			SW846 8081A
	90	(45 - 130)	1.7	(0-55)	SW846 8081A
Endrin aldehyde	85	(30 - 150)			SW846 8081A
	86	(30 - 150)	0.87	(0-97)	SW846 8081A
alpha-Chlordane	83	(38 - 140)			SW846 8081A
	88	(38 - 140)	5.4	(0-55)	SW846 8081A
gamma-Chlordane	86	(36 - 150)			SW846 8081A
	91	(36 - 150)	5.2	(0-57)	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(39 - 130)
	62	(39 - 130)
Decachlorobiphenyl	57	(10 - 147)
	84	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

POLYCHLORINATED BIPHENYLS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-001	**Work Order #...:** JT7J71AG	**Matrix.....:** WG	
Date Sampled...: 04/17/07 18:55	**Date Received..:** 04/19/07		
Prep Date.....: 04/20/07	**Analysis Date..:** 04/24/07		
Prep Batch #...: 7109507			
Dilution Factor: 1	**Initial Wgt/Vol:** 1010 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(35 - 130)
Decachlorobiphenyl	103	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AG **Matrix.....:** WG
Date Sampled...: 04/18/07 13:30 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(35 - 130)
Decachlorobiphenyl	56	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

GC Semivolatiles

Lot-Sample #...:	A7D190102-005	**Work Order #...:**	JT7KH1AG	**Matrix.....:**	WG
Date Sampled...:	04/18/07 09:08	**Date Received..:**	04/19/07		
Prep Date.....:	04/20/07	**Analysis Date..:**	04/24/07		
Prep Batch #...:	7109507				
Dilution Factor:	1	**Initial Wgt/Vol:**	960 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(35 - 130)
Decachlorobiphenyl	86	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-007 **Work Order #...:** JT7KL1AG **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(35 - 130)
Decachlorobiphenyl	86	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AG **Matrix.....:** WG
Date Sampled...: 04/18/07 09:20 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 980 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(35 - 130)
Decachlorobiphenyl	62	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-011	**Work Order #...:** JT7KV1AG		**Matrix.....:** WG
Date Sampled...: 04/18/07 17:10	**Date Received..:** 04/19/07		
Prep Date.....: 04/20/07	**Analysis Date..:** 04/24/07		
Prep Batch #...: 7109507			
Dilution Factor: 1	**Initial Wgt/Vol:** 980 mL		**Final Wgt/Vol..:** 2 mL
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(35 - 130)
Decachlorobiphenyl	63	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

GC Semivolatiles

Lot-Sample #...:	A7D190102-013	**Work Order #...:**	JT7K11AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 17:25	**Date Received..:**	04/19/07		
Prep Date.....:	04/20/07	**Analysis Date..:**	04/24/07		
Prep Batch #...:	7109507				
Dilution Factor:	1	**Initial Wgt/Vol:**	1010 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(35 - 130)
Decachlorobiphenyl	22	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AG **Matrix.....:** WG
Date Sampled...: 04/18/07 11:25 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 960 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	69	(35 - 130)
Decachlorobiphenyl	52	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K61AG **Matrix.....:** WG
Date Sampled...: 04/18/07 15:30 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 920 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(35 - 130)
Decachlorobiphenyl	66	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AT **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	62	(35 - 130)
Decachlorobiphenyl	67	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AG **Matrix.....:** WG
Date Sampled...: 04/18/07 13:12 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 990 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(35 - 130)
Decachlorobiphenyl	71	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AG **Matrix.....:** WQ
Date Sampled...: 04/18/07 13:20 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	74	(35 - 130)
Decachlorobiphenyl	53	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-025	**Work Order #...:** JT7LW1AG		**Matrix.....:** WG
Date Sampled...: 04/18/07 12:30	**Date Received..:** 04/19/07		
Prep Date.....: 04/20/07	**Analysis Date..:** 04/24/07		
Prep Batch #...: 7109507			
Dilution Factor: 1	**Initial Wgt/Vol:** 1020 mL		**Final Wgt/Vol..:** 2 mL
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	64	(35 - 130)
Decachlorobiphenyl	21	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AG **Matrix.....:** WG
Date Sampled...: 04/18/07 14:45 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(35 - 130)
Decachlorobiphenyl	51	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

GC Semivolatiles

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AG **Matrix.....:** WG
Date Sampled...: 04/18/07 15:27 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 1040 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(35 - 130)
Decachlorobiphenyl	84	(10 - 110)

Data File: \\CANSVR11\DD\chem\GCS\a2hp11.i\70413IC-1.b\044F4401.D
Report Date: 19-Apr-2007 14:41

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 14-APR-2007 02:19
Lab File ID: 044F4401.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: ICV Quant Type: ESTD
Method: \\cansvr11\DD\chem\GCS\a2hp11.i\70413IC-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 AROCLOR-1016 (1)	1207284	992344	0.010	17.80356	15.00000	Averaged	<-
(2)	2325089	2041863	0.010	12.18131	15.00000	Averaged	
(3)	4852296	4234408	0.010	12.73392	15.00000	Averaged	
(4)	1984749	1675591	0.010	15.57670	15.00000	Averaged	<-
(5)	2211052	1758674	0.010	20.45984	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	1432516	0.010	14.84778	15.00000	Averaged	
(2)	2586445	2288841	0.010	11.50631	15.00000	Averaged	
(3)	2214635	2126426	0.010	3.98301	15.00000	Averaged	
(4)	3711182	2961151	0.010	20.21004	15.00000	Averaged	<-
(5)	1929952	1684405	0.010	12.72295	15.00000	Averaged	

avg = 15.75%

AVG = 12.65%

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D190102

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 04/13/07 04/14/07

Instrument ID: A2HP11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 2.25 S2 : 9.16

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		E029	04/24/07	0635	2.25	9.16
02	FWGLL2MW-059	JT7J71AG	04/24/07	0651	2.26	9.16
03	FWGBKGMW-012	JT7KE1AG	04/24/07	0706	2.26	9.16
04	FWGWBGMW-009	JT7KH1AG	04/24/07	0722	2.26	9.16
05	FWGWBGMW-DUP	JT7KL1AG	04/24/07	0738	2.26	9.16
06	FWGWBGMW-007	JT7KQ1AG	04/24/07	0753	2.26	9.16
07	FWGBKGMW-006	JT7KV1AG	04/24/07	0809	2.26	9.16
08	FWGCBPMW-006	JT7K11AG	04/24/07	0825	2.26	9.16
09	FWGBKGMW-020	JT7K41AG	04/24/07	0841	2.26	9.16
10	FWGBKGMW-013	JT7K61AG	04/24/07	0856	2.26	9.16
11	JT959BLK	JT9591AA	04/24/07	0912	2.26	9.16
12		E029	04/24/07	0943	2.25	9.16
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QC LIMITS

S1 = TCMX (+/- 0.10 MINUTES)
S2 = DCB (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Sequence: C:\HPCHEM\1\SEQUENCE\70423.S

Sequence Parameters:

Operator:

Data File Naming:	Auto
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	70423
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	HEX LOT# C38E39				
2	Vial 2	1660,,2				
3	Vial 3	1232,,2				
4	Vial 4	1242,,2				
5	Vial 5	1248,,2				
6	Vial 6	2154,,2				
7	Vial-7	JT5HW1AC,4				
8	Vial-8	JT5HW1AD,4				
9	Vial-9	JT5HW1AE,4				
10	Vial-10	JVA3W1AA				
11	Vial-11	JVEMQ1AA				
12	Vial-12	JVEMQ1AC				
13	Vial-13	JVEMQ1AD				
14	Vial 14	E029,,2				
15	Vial-15	JT1D01AT				
16	Vial-16	JT1EC1AU				
17	Vial-17	JT1EM1AU				
18	Vial-18	JVE861AA				
19	Vial-19	JVE861AC,5				
20	Vial-20	JT3T21CK				
21	Vial-21	JT3WH1CL				
22	Vial-22	JT6MC1CV				
23	Vial-23	JT6ND1CV				
24	Vial-24	JT7L81AA				
25	Vial 25	E029,,2				
26	Vial-26	JT7L81AC,2				
27	Vial-27	JT5DV1AA				
28	Vial-28	JT5DV1AC,5				
29	Vial-29	JT5D41AA				
30	Vial-30	JT5D81AA				
31	Vial-31	JT79F1AA				
32	Vial-32	JT79H1AA				
33	Vial-33	JT79H1AC,5				
34	Vial-34	JT79J1AA				
35	Vial-35	JVEMM1AA				
36	Vial 36	E029,,2				
37	Vial-37	JT79K1AA				
38	Vial-38	JVEMM1AC,5				
39	Vial-39	JT2KA1AA				
40	Vial-40	JT2K11AA				
41	Vial-41	JT2K81AA				

Sequence: C:\HPCHEM\1\SEQUENCE\70423.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
42	Vial 42	JT56G1AD				
43	Vial 43	JT5691AD				
44	Vial 44	JT7J91AA				
45	Vial 45	JT7J91AC,5				
46	Vial 46	JT7J91AD,5				
47	Vial 47	E029,,2				
48	Vial 48	JT3P61AC				
49	Vial 49	JVDER1AA				
50	Vial 50	JVE831AA				
51	Vial 51	JVE831AC,2				
52	Vial 52	JVE831AD,2				
53	Vial 53	E029,,2				
54	Vial 54	JT49H2AA				
55	Vial 55	JT49J2AA				
56	Vial 56	JT49K2AA				
57	Vial 57	JT49L2AA				
58	Vial 58	JT49M2AA				
59	Vial 59	JT49N2AA				
60	Vial 60	JT49P2AA				
61	Vial 61	JT49Q2AA				
62	Vial 62	JT49R2AA				
63	Vial 63	JVEMK1AA				
64	Vial 64	E029,,2				
65	Vial 65	JT49T2AA				
66	Vial 66	JT49V2AA				
67	Vial 67	JT49W2AA				
68	Vial 68	JT49X2AA				
69	Vial 69	JT4902AA				
70	Vial 70	JT4912AA				
71	Vial 71	JT4922AA				
72	Vial 72	JT4931AN,5				
73	Vial 73	JT4932AA				
74	Vial 74	JVEMK1AC,5				
75	Vial 75	E029,,2				
76	Vial 76	JT4942AA				
77	Vial 77	JT4952AA				
78	Vial 78	JT4962AA				
79	Vial 79	MRL,,2				
80	Vial 80	E029,,2				
81	Vial 81	JT7J71AG				
82	Vial 82	JT7KE1AG				
83	Vial 83	JT7KH1AG				
84	Vial 84	JT7KL1AG				
85	Vial 85	JT7KQ1AG				
86	Vial 86	JT7KV1AG				
87	Vial 87	JT7K11AG				
88	Vial 88	JT7K41AG				
89	Vial 89	JT7K61AG				
90	Vial 90	JT9591AA				
91	Vial 91	MRL,,2				
92	Vial 92	E029,,2				

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Sequence Table (Back Injector):

No entries - empty table!

Sequence Output Parameters:

Print Sequence Summary Report (SSR):	No
Dest of individual reports for each run:	as specified in Method

Data File: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\092F9201.D
Report Date: 24-Apr-2007 09:55

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 24-APR-2007 09:43
Lab File ID: 092F9201.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: E029 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 TCMX	39159733	37320680	0.010	4.69629	15.00000	Averaged
3 AROCLOR-1016(1)	1207284	1390442	0.010	-15.17113	15.00000	Averaged
(2)	2325089	2523464	0.010	-8.53191	15.00000	Averaged
(3)	4852296	5381070	0.010	-10.89741	15.00000	Averaged
(4)	1984749	2237806	0.010	-12.75005	15.00000	Averaged
(5)	2211052	2255326	0.010	-2.00241	15.00000	Averaged
8 AROCLOR-1260(1)	1682300	1751782	0.010	-4.13016	15.00000	Averaged
(2)	2586445	2727354	0.010	-5.44796	15.00000	Averaged
(3)	2214635	2334872	0.010	-5.42919	15.00000	Averaged
(4)	3711182	3977978	0.010	-7.18897	15.00000	Averaged
(5)	1929952	2017368	0.010	-4.52945	15.00000	Averaged
$ 9 DCB	37978533	40578200	0.010	-6.84509	15.00000	Averaged

9.9

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D190102

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 04/13/07 04/14/07

Instrument ID: A2HP11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 2.29 S2 : 9.20

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
01		E029	04/24/07	1345	2.25		9.16	
02	FWGWBGMW-006	JT7LC1AT	04/24/07	1415	2.26		9.16	
03	FWGWBGMW-006	JT7LC1AU	04/24/07	1431	2.26		9.16	
04	FWGWBGMW-006	JT7LC1AV	04/24/07	1447	2.28		9.19	
05	FWGBKGMW-018	JT7LM1AG	04/24/07	1503	2.28		9.19	
06	FWGEQUIPRINS	JT7LQ1AG	04/24/07	1518	2.28		9.19	
07	FWGBKGMW-019	JT7LW1AG	04/24/07	1534	2.28		9.19	
08	FWGBKGMW-005	JT7L31AG	04/24/07	1550	2.28		9.19	
09	FWGBKGMW-016	JT7L51AG	04/24/07	1605	2.28		9.19	
10	JT959CHK	JT9591AC	04/24/07	1621	2.28		9.19	
11		E029	04/24/07	1637	2.28		9.19	
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31								
32								

QC LIMITS

S1 = TCMX (+/- 0.10 MINUTES)
S2 = DCB (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Sequence: C:\HPCHEM\1\SEQUENCE\70424.S

Sequence Parameters:

Operator:

Data File Naming:	Auto
Data Directory:	C:\HPCHEM\1\DATA\
Data Subdirectory:	70424
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none
Sequence Comment:	

Sequence Table (Front Injector):

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	HEX LOT# C38E39				
2	Vial 2	1660,,2 pass F				
3	Vial 3	1232,,2				
4	Vial 4	1242,,2				
5	Vial 5	1248,,2				
6	Vial 6	2154,,2				
7	Vial 7	JVE4G1AC				
8	Vial 8	JVE4J1AC				
9	Vial 9	JVE461AC				
10	Vial 10	JVE491AC RR on P4				
11	Vial 11	JVE5A1AC				
12	Vial 12	JVE5C1AC				
13	Vial 13	JT1EM1AU,20				
14	Vial 14	JVE8V1AA				
15	Vial 15	E029,,2 > pass F				
16	Vial 16	MRL,,2				
17	Vial 17	JT7LC1AT				
18	Vial 18	JT7LC1AU,5				
19	Vial 19	JT7LC1AV,5				
20	Vial 20	JT7LM1AG				
21	Vial 21	JT7LQ1AG				
22	Vial 22	JT7LW1AG				
23	Vial 23	JT7L31AG				
24	Vial 24	JT7L51AG				
25	Vial 25	JT9591AC,5				
26	Vial 26	E029,,2 > pass F				
27	Vial 27	MRL,,2				
28	Vial 28	JT47G1AC				
29	Vial 29	JT47G1AD				
30	Vial 30	JT47G1AE				
31	Vial 31	JT4981AC				
32	Vial 32	JT5AE1AC				
33	Vial 33	JT5AJ1AC				
34	Vial 34	JT5AM1AC				
35	Vial 35	JT5AQ1AC				
36	Vial 36	JT5AT1AC				
37	Vial 37	JT5AV1AC				
38	Vial 38	JT5A01AC				
39	Vial 39	JT5A21AC				
40	Vial 40	JT5311AA				
41	Vial 41	DE029,,2 pass F				

Sequence: C:\HPCHEM\1\SEQUENCE\70424.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
42	Vial 42	JT5HC1AC,10				
43	Vial 43	JT5HE1AC,5				
44	Vial 44	JT5HG1AC,10				
45	Vial 45	HEX				
46	Vial 46	JT5HH1AC,200				
47	Vial 47	JT5HJ1AC,10				
48	Vial 48	JT5HK1AC,10				
49	Vial 49	JT5HL1AC,10				
50	Vial 50	JT5HM1AC,10				
51	Vial 51	JT5HR1AC,10 > Florisil 10X & 100X				
52	Vial 52	JT5HV1AC,10				
53	Vial 53	HEX				
54	Vial 54	JT5311AC				
55	Vial 55	ØE029,,2 PASS F				
56	Vial 56	JT7341AC,2				
57	Vial 57	JT7341AD,2				
58	Vial 58	JT7341AE,2				
59	Vial 59	JT7351AC,10				
60	Vial 60	JT7361AC,10				
61	Vial 61	JT7371AC,20				
62	Vial 62	JT74A1AC,20				
63	Vial 63	JT74C1AC,2				
64	Vial 64	JT74D1AC,20				
65	Vial 65	JT74E1AC,20				
66	Vial 66	JT74F1AC,50				
67	Vial 67	JT74H1AC,20				
68	Vial 68	JT74J1AC,20				
69	Vial 69	JT74K1AC,50				
70	Vial 70	JT74L1AC,20				
71	Vial 71	JT74M1AC,10				
72	Vial 72	HEX				
73	Vial 73	JT74P1AC,20				
74	Vial 74	HEX				
75	Vial 75	JT8TA1AA				
76	Vial 76	ØE029,,2 PASS F				
77	Vial 77	JT74Q1AC,20				
78	Vial 78	JT74R1AC,20				
79	Vial 79	JT74T1AC,50				
80	Vial 80	JT74V1AC,100				
81	Vial 81	JT74W1AC,50				
82	Vial 82	JT8TA1AC				
83	Vial 83	ØE029,,2 PASS F				

Sequence Table (Back Injector):

No entries - empty table!

Sequence Output Parameters:

Print Sequence Summary Report (SSR):	No
Dest of individual reports for each run:	as specified in Method

Sequence Summary Parameters:

One page header:	No
Print Configuration:	No
Print Sequence:	No
Print Logbook:	No
Print Method(s):	No

STL North Canton

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

Run Date: 5/7/2007
Time: 18:01:06

LEV 1	LEV 2		LEV 1	LEV 2	
Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
					computer batch: correct &
			-	-	Anomalies to Extraction Method

Y Expanded Deliverable
Y COC Completed
Y Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
Bench Sheet Copied per COC

Extractionist: 403120

Concentrationist: 402608 Eric Mills
403375 Ryan Lawrence

Reviewer/Date: FREELANS / 4/21/07

QC BATCH: 7109507

PREP DATE: 4/20/07
COMP DATE: 4/21/07

PCBs (8082)
LIQ/LIQ, CONT w/ACID STRIP (PCB) - Nominal

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
4/24/07	5/03/07	A7D190000-507 **JT959-1-AA B**		61	QH	WATER	1000mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/24/07	5/03/07	A7D190000-507 **JT959-1-AC C**		61	QH	WATER	1000mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 10PPM #4383 1ML 2/.2 SURR #4394
COMMENTS:															
4/24/07	5/03/07	A7D190102-001 **JT7J7-1-AG**	D	61	QH	WATER	1010mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-011 **JT7KV-1-AG**	D	61	QH	WATER	980mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/24/07	5/03/07	A7D190102-013 **JT7K1-1-AG**	D	61	QH	WATER	1010mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-015 **JT7K4-1-AG**	D	61	QH	WATER	960mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															

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STL North Canton

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

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* *
*QC BATCH: 7109507 *
* *
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PREP DATE: 4/20/07
COMP DATE: 4/21/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/25/07	5/03/07	A7D190102-017 **JT7K6-1-AG**	D	61	QH	WATER	920mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-019 **JT7LC-1-AT**	D	61	QH	WATER	1020mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-019 **JT7LC-1-AU S**	D	61	QH	WATER	500mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 10PPM #4383 1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-019 **JT7LC-1-AV D**	D	61	QH	WATER	500mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 10PPM #4383 1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-021 **JT7LM-1-AG**	D	61	QH	WATER	990mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-023 **JT7LQ-1-AG**	D	61	QH	WATER	1010mL 2.00mL	5.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-025 **JT7LW-1-AG**	D	61	QH	WATER	1020mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-027 **JT7L3-1-AG**	D	61	QH	WATER	1030mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-029 **JT7L5-1-AG**	D	61	QH	WATER	1040mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															

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STL North Canton

Severn Trent Laboratories, Inc.
EXTRACTION BENCH SHEET

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*QC BATCH: 7109507 *
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PREP DATE: 4/20/07
COMP DATE: 4/21/07

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	INIT	PH"S ADJ1	ADJ2	EXTRACTION	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/25/07	5/03/07	A7D190102-003 **JT7KE-1-AG**	D	61	QH	WATER	1010mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-005 **JT7KH-1-AG**	D	61	QH	WATER	960mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-007 **JT7KL-1-AG**	D	61	QH	WATER	1010mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															
4/25/07	5/03/07	A7D190102-009 **JT7KQ-1-AG**	D	61	QH	WATER	980mL 2.00mL	7.0	NA	NA	DCM	250.0	HEXANE	18.0	1ML 2/.2 SURR #4394
COMMENTS:															

S/S BM

DCM #E07E12 NA2SO4 #C44595 HEXANE #C42E75

NUMBER OF WORK ORDERS IN BATCH: 19

1942

STL North Canton

Lot/SDG Number: **A7D190102**

Sample Control Chain of Custody - STL North Canton
GC Semivolatiles

Lot Number	Work Order	Analysis Type	Prep Date	Prep Analyst	Date of Transfer	Transferred By	Analysis Date	Analyst
A7D190102-001	JT7J71AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-003	JT7KE1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-005	JT7KH1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-007	JT7KL1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-009	JT7KQ1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-011	JT7KV1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-013	JT7K11AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-015	JT7K41AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-017	JT7K61AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-019	JT7LC1AT	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-021	JT7LM1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-023	JT7LQ1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-025	JT7LW1AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-027	JT7L31AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra
A7D190102-029	JT7L51AG	PCBs (8082)	04/20/07	Sherryl Freeland		Sherryl Freeland	04/24/07	Angela Serra

Surrogate Recovery Outlier Report

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
FWGBKGmw-005C-0406-GW	A7D190102027	8081A	1	AQ	Decachlorobiphenyl	23	50.0	150.0	10.0	All Target
FWGBKGmw-006C-0407-GW	A7D190102011	8081A	1	AQ	Decachlorobiphenyl	40	50.0	150.0	10.0	All Target
		8270C			2,4,6-Tribromophenol	41	50.0	150.0	10.0	Acid
					2-Fluorophenol	34	50.0	150.0	10.0	Acid
					Phenol-d5	36	50.0	150.0	10.0	Acid
					2-Fluorobiphenyl	38	50.0	150.0	10.0	Base/Neutral
					Nitrobenzene-d5	39	50.0	150.0	10.0	Base/Neutral
FWGBKGmw-012C-0410-GW	A7D190102003	8081A	1	AQ	Decachlorobiphenyl	43	50.0	150.0	10.0	All Target
		8270C			2-Fluorophenol	44	50.0	150.0	10.0	Acid
					Phenol-d5	46	50.0	150.0	10.0	Acid
FWGBKGmw-013C-0411-GW	A7D190102017	8270C	1	AQ	2,4,6-Tribromophenol	41	50.0	150.0	10.0	Acid
					2-Fluorophenol	31	50.0	150.0	10.0	Acid
					Phenol-d5	36	50.0	150.0	10.0	Acid
					2-Fluorobiphenyl	36	50.0	150.0	10.0	Base/Neutral
					Nitrobenzene-d5	39	50.0	150.0	10.0	Base/Neutral
FWGBKGmw-019C-0416-GW	A7D190102025	8081A	1	AQ	Decachlorobiphenyl	18	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	21	50.0	150.0	10.0	All Target
		8270C			2,4,6-Tribromophenol	49	50.0	150.0	10.0	Acid
					2-Fluorophenol	46	50.0	150.0	10.0	Acid
					Phenol-d5	47	50.0	150.0	10.0	Acid
FWGBKGmw-020C-0417-GW	A7D190102015	8270C	1	AQ	2-Fluorophenol	44	50.0	150.0	10.0	Acid
					Phenol-d5	47	50.0	150.0	10.0	Acid

Project Number and Name: ***030240.0005 - Ravenna GW***

Surrogate Recovery Outlier Report

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
FWGCBPmw-006C-0435-GW	A7D190102013	8081A	1	AQ	Decachlorobiphenyl	16	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	22	50.0	150.0	10.0	All Target
		8270C			2-Fluorophenol	39	50.0	150.0	10.0	Acid
					Phenol-d5	43	50.0	150.0	10.0	Acid
					2-Fluorobiphenyl	43	50.0	150.0	10.0	Base/Neutral
					Nitrobenzene-d5	47	50.0	150.0	10.0	Base/Neutral
FWGWBGmw-006C-0438-GW	A7D190102019	8270C	1	AQ	2,4,6-Tribromophenol	40	50.0	150.0	10.0	Acid
					2-Fluorophenol	46	50.0	150.0	10.0	Acid
					Phenol-d5	48	50.0	150.0	10.0	Acid
FWGWBGmw-007C-0439-GW	A7D190102009	8270C	1	AQ	2,4,6-Tribromophenol	48	50.0	150.0	10.0	Acid
					2-Fluorophenol	41	50.0	150.0	10.0	Acid
					Phenol-d5	42	50.0	150.0	10.0	Acid
					2-Fluorobiphenyl	42	50.0	150.0	10.0	Base/Neutral
					Nitrobenzene-d5	45	50.0	150.0	10.0	Base/Neutral

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70423-1.b\079F7901.D
Report Date: 19-Jun-2007 14:44

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 24-APR-2007 06:19
Lab File ID: 079F7901.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: MRL Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	39642000	0.010	-1.23154	15.00000	Averaged	
3 AROCLOR-1016 (1)	1207284	1263700	0.010	-4.67301	15.00000	Averaged	
(2)	2325089	2925700	0.010	-25.83172	15.00000	Averaged	<-
(3)	4852296	5567320	0.010	-14.73580	15.00000	Averaged	
(4)	1984749	2202420	0.010	-10.96716	15.00000	Averaged	
(5)	2211052	2607260	0.010	-17.91945	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	1999560	0.010	-18.85868	15.00000	Averaged	<-
(2)	2586445	2990840	0.010	-15.63515	15.00000	Averaged	<-
(3)	2214635	2496700	0.010	-12.73640	15.00000	Averaged	
(4)	3711182	4111640	0.010	-10.79057	15.00000	Averaged	
(5)	1929952	2158420	0.010	-11.83803	15.00000	Averaged	
$ 9 DCB	37978533	45800000	0.010	-20.59444	15.00000	Averaged	<-

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70423-1.b\091F9101.D
Report Date: 19-Jun-2007 14:44

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 24-APR-2007 09:28
Lab File ID: 091F9101.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: MRL Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	38133600	0.010	2.62038	15.00000	Averaged	
3 AROCLOR-1016 (1)	1207284	1249740	0.010	-3.51670	15.00000	Averaged	
(2)	2325089	3024900	0.010	-30.09822	15.00000	Averaged	<-
(3)	4852296	5975800	0.010	-23.15408	15.00000	Averaged	<-
(4)	1984749	2578720	0.010	-29.92673	15.00000	Averaged	<-
(5)	2211052	2735180	0.010	-23.70493	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	2011740	0.010	-19.58269	15.00000	Averaged	<-
(2)	2586445	3069060	0.010	-18.65938	15.00000	Averaged	<-
(3)	2214635	2552540	0.010	-15.25781	15.00000	Averaged	<-
(4)	3711182	4124900	0.010	-11.14787	15.00000	Averaged	
(5)	1929952	2168840	0.010	-12.37794	15.00000	Averaged	
$ 9 DCB	37978533	51792400	0.010	-36.37283	15.00000	Averaged	<-

22.08 okay

< 30% Okay

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\016F1601.D
Report Date: 19-Jun-2007 14:42

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i
Lab File ID: 016F1601.D
Analysis Type:
Lab Sample ID: MRL
Method: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\HP11PCBF.m

Injection Date: 24-APR-2007 14:00
Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Init. Cal. Times: 15:21 02:04
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	37960000	0.010	3.06369	15.00000	Averaged	
3 AROCLOR-1016 (1)	1207284	1344140	0.010	-11.33590	15.00000	Averaged	
(2)	2325089	2906980	0.010	-25.02659	15.00000	Averaged	<-
(3)	4852296	5770880	0.010	-18.93093	15.00000	Averaged	<-
(4)	1984749	2417440	0.010	-21.80077	15.00000	Averaged	<-
(5)	2211052	2598020	0.010	-17.50155	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	1993520	0.010	-18.49965	15.00000	Averaged	<-
(2)	2586445	3041860	0.010	-17.60774	15.00000	Averaged	<-
(3)	2214635	2462320	0.010	-11.18400	15.00000	Averaged	
(4)	3711182	3980040	0.010	-7.24453	15.00000	Averaged	
(5)	1929952	2092180	0.010	-8.40582	15.00000	Averaged	
$ 9 DCB	37978533	45465600	0.010	-19.71394	15.00000	Averaged	<-

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\027F2701.D
Report Date: 19-Jun-2007 14:42

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i
Lab File ID: 027F2701.D
Analysis Type:
Lab Sample ID: MRL
Method: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\HP11PCBF.m

Injection Date: 24-APR-2007 16:53
Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Init. Cal. Times: 15:21 02:04
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	31537200	0.010	19.46523	15.00000	Averaged	<-
3 AROCLOR-1016 (1)	1207284	1284860	0.010	-6.42571	15.00000	Averaged	
(2)	2325089	3059820	0.010	-31.60010	15.00000	Averaged	<-
(3)	4852296	5794620	0.010	-19.42018	15.00000	Averaged	<-
(4)	1984749	2286560	0.010	-15.20648	15.00000	Averaged	<-
(5)	2211052	2829200	0.010	-27.95720	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	2111300	0.010	-25.50078	15.00000	Averaged	<-
(2)	2586445	3178620	0.010	-22.89531	15.00000	Averaged	<-
(3)	2214635	2610500	0.010	-17.87494	15.00000	Averaged	<-
(4)	3711182	4236680	0.010	-14.15985	15.00000	Averaged	
(5)	1929952	2265600	0.010	-17.39154	15.00000	Averaged	<-
$ 9 DCB	37978533	48381200	0.010	-27.39091	15.00000	Averaged	<-

20.12% accy

Subject: FW: A7D190102 PCBs
From: "Loeb, Mark" <MLoeb@stl-inc.com>
Date: Mon, 18 Jun 2007 09:37:33 -0600
To: "Heather Medley" <hmedley@eqm.com>, "Erik Corbin" <ecorbin@eqm.com>
CC: "Stiller, Jennifer" <JStiller@stl-inc.com>

Heather,

The first page does not apply to the MRL Checks. The MRL Checks are processed as a standard against a CCV concentration that is 10 times higher. Evaluation is page 2 and chromatogram page 3. The first page should be ignored.

MJL

Mark J. Loeb
Project Manager
TestAmerica (formerly STL - North Canton)
4101 Shuffel Drive, N. W.
North Canton, OH 44720
Direct line: 330-966-9387
Fax: 330-497-0772
The Leader in Environmental Testing

-----Original Message-----
From: Loeb, Mark
Sent: Monday, June 18, 2007 11:10 AM
To: Serra, Angela
Cc: Risden, Ray
Subject: FW: A7D190102 PCBs
Importance: High

Here is another one. I have reattached the MRL checks that were sent.

Should this go to QA??

MJL

Mark J. Loeb
Project Manager
TestAmerica (formerly STL - North Canton)
4101 Shuffel Drive, N. W.
North Canton, OH 44720
Direct line: 330-966-9387
Fax: 330-497-0772
The Leader in Environmental Testing

-----Original Message-----
From: Heather Medley [mailto:hmedley@eqm.com]
Sent: Monday, June 18, 2007 11:03 AM
To: Loeb, Mark
Cc: Erik Corbin; Stiller, Jennifer
Subject: Re: A7D190102 PCBs
Importance: High

Mark,

Are the %Ds reported on the MRL check summaries actually % Recovery? If so how are the %Rs being calculated? The analytical sequence indicates the MRLs "pass f".

Heather

Loeb, Mark wrote:

> Heather,
>
> MRLs are attached.
>
> Thanks,
>
> MJL
>
> Mark J. Loeb
> Project Manager
> TestAmerica-STL
> 4101 Shuffel Drive, N. W.
> North Canton, OH 44720
> Direct line: 330-966-9387
> Fax: 330-497-0772
> Leaders in Environmental Testing
>
> -----Original Message-----
> From: Heather Medley [mailto:hmedley@eqm.com]
> Sent: Tuesday, June 12, 2007 6:00 AM
> To: Loeb, Mark
> Cc: Erik Corbin
> Subject: A7D190102 PCBs
> Importance: High
>
> Mark,
>
> The run log indicates MRL checks were run for the PCBs. However, the
> data was not provided. Can you please provide the MRL checks for
> A7D190102 PCBs by 12 noon on Wednesday 6/13/07?
>
> --
> Heather Medley
> Environmental Quality Management, Inc.
> 1800 Carillon Boulevard
> Cincinnati, Ohio 45240
> (513) 825-7500 voice
> (513) 825-7495 fax
>
>

> intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

--
Heather Medley
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, Ohio 45240
(513) 825-7500 voice
(513) 825-7495 fax

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

Data File: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\079F7901.D
Report Date: 24-Apr-2007 06:31

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 24-APR-2007 06:19
Lab File ID: 079F7901.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: MRL Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	3964200	0.010	89.87685	15.00000	Averaged	<-
3 AROCLOR-1016(1)	1207284	161724	0.010	86.60431	15.00000	Averaged	<-
(2)	2325089	292570	0.010	87.41683	15.00000	Averaged	<-
(3)	4852296	556732	0.010	88.52642	15.00000	Averaged	<-
(4)	1984749	220242	0.010	88.90328	15.00000	Averaged	<-
(5)	2211052	260726	0.010	88.20806	15.00000	Averaged	<-
8 AROCLOR-1260(1)	1682300	199956	0.010	88.11413	15.00000	Averaged	<-
(2)	2586445	299084	0.010	88.43649	15.00000	Averaged	<-
(3)	2214635	249670	0.010	88.72636	15.00000	Averaged	<-
(4)	3711182	411164	0.010	88.92094	15.00000	Averaged	<-
(5)	1929952	215842	0.010	88.81620	15.00000	Averaged	<-
$ 9 DCB	37978533	4580000	0.010	87.94056	15.00000	Averaged	<-

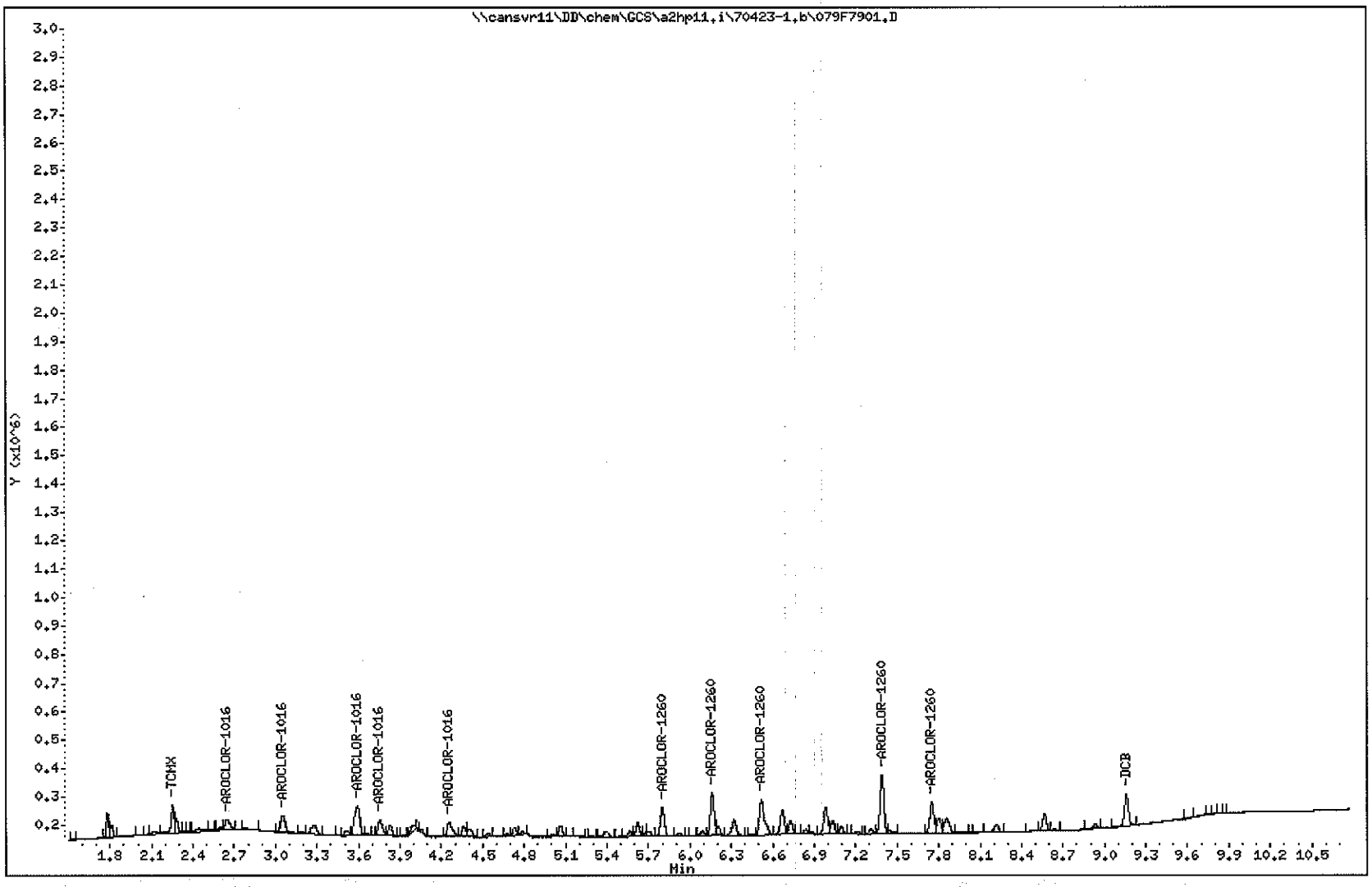
STL North Canton

Data file : \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\079F7901.D
Lab Smp Id: MRL
Inj Date : 24-APR-2007 06:19
Operator : Inst ID: a2hp11.i
Smp Info : MRL,,2
Misc Info : 12-AR1660TD.SUB
Comment   :
Method   : \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\HP11PCBF.m
Meth Date : 24-Apr-2007 06:31 Quant Type: ESTD
Cal Date : 14-APR-2007 02:04 Cal File: 043F4301.D
Als bottle: 79 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANSVR10

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 TCMX					CAS #: 877-09-8			
2.252	2.252	0.000	99105	0.02500	0.002531			
3 AROCLOR-1016					CAS #: 12674-11-2			
2.645	2.645	0.000	80862	0.50000	0.06698	80.00-	120.00	100.00
3.048	3.048	0.000	146285	0.50000	0.06292	135.68-	226.13	180.91
3.593	3.593	0.000	278366	0.50000	0.05737	258.19-	430.31	344.25
3.754	3.754	0.000	110121	0.50000	0.05548	102.14-	170.23	136.18
4.256	4.256	0.000	130363	0.50000	0.05896	120.91-	201.52	161.22
Average of Peak Amounts =					0.06034			
8 AROCLOR-1260					CAS #: 11096-82-5			
5.799	5.799	0.000	99978	0.50000	0.05943	80.00-	120.00	100.00
6.160	6.160	0.000	149542	0.50000	0.05782	112.18-	186.97	149.57
6.516	6.516	0.000	124835	0.50000	0.05637	93.65-	156.08	124.86
7.389	7.389	0.000	205582	0.50000	0.05540	154.22-	257.03	205.63
7.750	7.750	0.000	107921	0.50000	0.05592	80.96-	134.93	107.94
Average of Peak Amounts =					0.05699			
$ 9 DCB					CAS #: 2051-24-3			
9.159	9.159	0.000	114500	0.02500	0.003015			

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70423-1.b\079F7901.D
Date : 24-APR-2007 06:19
Client ID:
Sample Info: MRL,,2

Instrument: a2hp11.i
Operator:
Column phase: restek pest clpI
Column diameter: 0.53



Data File: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\091F9101.D
Report Date: 24-Apr-2007 09:39

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 24-APR-2007 09:28
Lab File ID: 091F9101.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: MRL Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	3813360	0.010	90.26204	15.00000	Averaged	<-
3 AROCLOR-1016 (1)	1207284	184064	0.010	84.75387	15.00000	Averaged	<-
(2)	2325089	302490	0.010	86.99018	15.00000	Averaged	<-
(3)	4852296	597580	0.010	87.68459	15.00000	Averaged	<-
(4)	1984749	257872	0.010	87.00733	15.00000	Averaged	<-
(5)	2211052	273518	0.010	87.62951	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	201174	0.010	88.04173	15.00000	Averaged	<-
(2)	2586445	306906	0.010	88.13406	15.00000	Averaged	<-
(3)	2214635	255254	0.010	88.47422	15.00000	Averaged	<-
(4)	3711182	412490	0.010	88.88521	15.00000	Averaged	<-
(5)	1929952	216884	0.010	88.76221	15.00000	Averaged	<-
$ 9 DCB	37978533	5179240	0.010	86.36272	15.00000	Averaged	<-

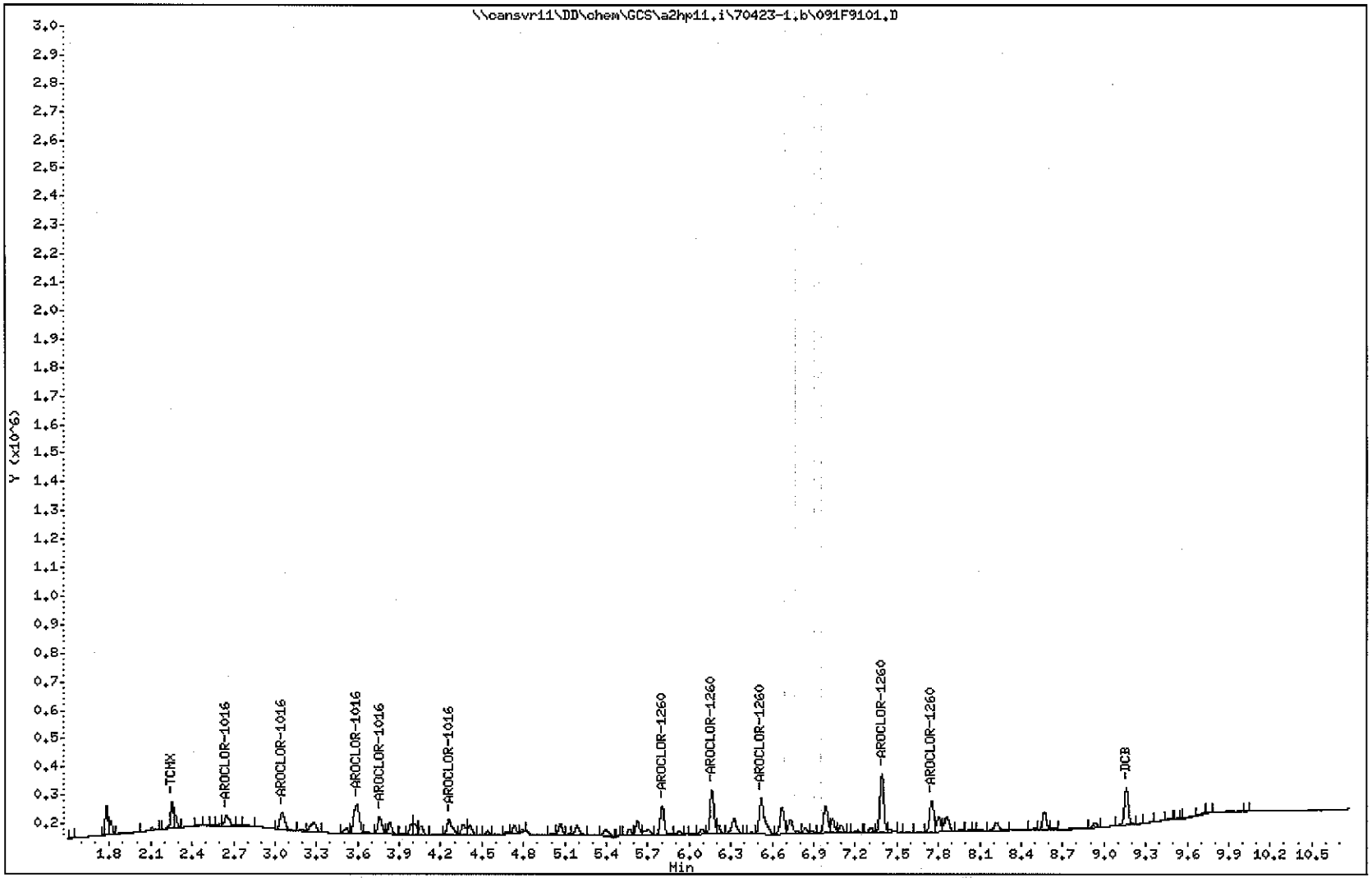
STL North Canton

Data file : \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\091F9101.D
Lab Smp Id: MRL
Inj Date : 24-APR-2007 09:28
Operator : Inst ID: a2hp11.i
Smp Info : MRL,,2
Misc Info : 12-AR1660TD.SUB
Comment   :
Method   : \\cansvr11\dd\chem\GCS\a2hp11.i\70423-1.b\HP11PCBF.m
Meth Date : 24-Apr-2007 09:39 Quant Type: ESTD
Cal Date : 14-APR-2007 02:04 Cal File: 043F4301.D
Als bottle: 91 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANSVR10

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
$ 1 TCMX					CAS #: 877-09-8		
2.254	2.254	0.000	95334	0.02500	0.002434		
3 AROCLOR-1016					CAS #: 12674-11-2		
2.647	2.647	0.000	92032	0.50000	0.07623	80.00- 120.00	100.00
3.052	3.052	0.000	151245	0.50000	0.06505	123.25- 205.42	164.34
3.595	3.595	0.000	298790	0.50000	0.06158	243.49- 405.82	324.66
3.757	3.757	0.000	128936	0.50000	0.06496	105.07- 175.12	140.10
4.259	4.259	0.000	136759	0.50000	0.06185	111.45- 185.75	148.60
Average of Peak Amounts =					0.06593		
8 AROCLOR-1260					CAS #: 11096-82-5		
5.802	5.802	0.000	100587	0.50000	0.05979	80.00- 120.00	100.00
6.162	6.162	0.000	153453	0.50000	0.05933	114.42- 190.70	152.56
6.518	6.518	0.000	127627	0.50000	0.05763	95.16- 158.60	126.88
7.392	7.392	0.000	206245	0.50000	0.05557	153.78- 256.30	205.04
7.752	7.752	0.000	108442	0.50000	0.05619	80.86- 134.76	107.81
Average of Peak Amounts =					0.05770		
$ 9 DCB					CAS #: 2051-24-3		
9.161	9.161	0.000	129481	0.02500	0.003409		

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70423-1.b\091F9101.D
Date : 24-APR-2007 09:28
Client ID:
Sample Info: MRL,,2

Instrument: a2hp11.i
Operator:
Column phase: restek pest clpI
Column diameter: 0.53



Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\016F1601.D
Report Date: 25-Apr-2007 08:00

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 24-APR-2007 14:00
Lab File ID: 016F1601.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: MRL Quant Type: ESTD
Method: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	3796000	0.010	90.30637	15.00000	Averaged	<-
3 AROCLOR-1016 (1)	1207284	189762	0.010	84.28190	15.00000	Averaged	<-
(2)	2325089	290698	0.010	87.49734	15.00000	Averaged	<-
(3)	4852296	577088	0.010	88.10691	15.00000	Averaged	<-
(4)	1984749	241744	0.010	87.81992	15.00000	Averaged	<-
(5)	2211052	259802	0.010	88.24985	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	199352	0.010	88.15004	15.00000	Averaged	<-
(2)	2586445	304186	0.010	88.23923	15.00000	Averaged	<-
(3)	2214635	246232	0.010	88.88160	15.00000	Averaged	<-
(4)	3711182	398004	0.010	89.27555	15.00000	Averaged	<-
(5)	1929952	209218	0.010	89.15942	15.00000	Averaged	<-
$ 9 DCB	37978533	4546560	0.010	88.02861	15.00000	Averaged	<-

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\016F1601.D
Report Date: 25-Apr-2007 08:00

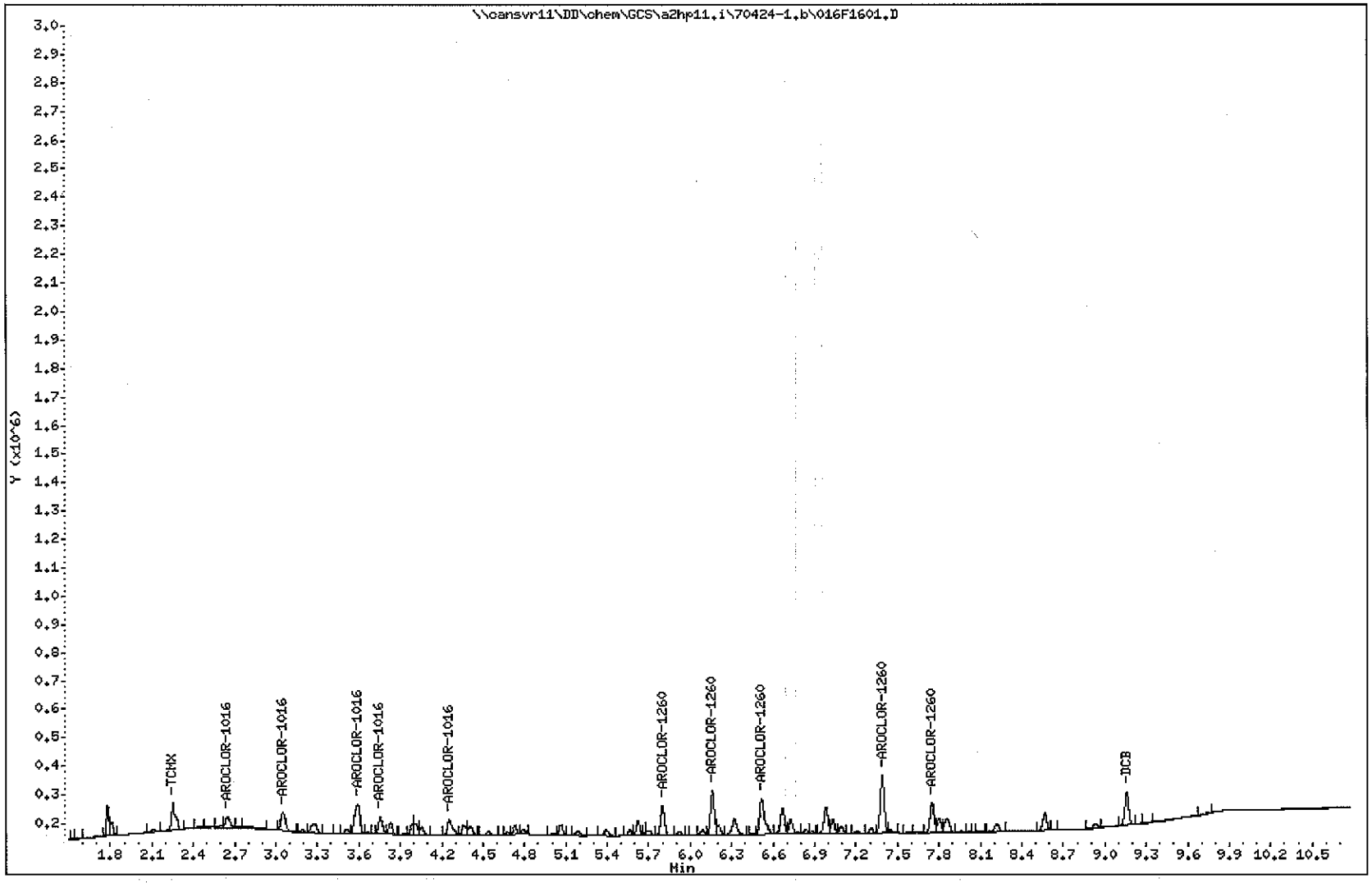
STL North Canton

Data file : \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\016F1601.D
Lab Smp Id: MRL
Inj Date : 24-APR-2007 14:00
Operator : Inst ID: a2hp11.i
Smp Info : MRL,,2
Misc Info : 12-AR1660TD.SUB
Comment :
Method : \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\HP11PCBF.m
Meth Date : 25-Apr-2007 08:00 a2hp11.i Quant Type: ESTD
Cal Date : 14-APR-2007 02:04 Cal File: 043F4301.D
Als bottle: 16 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPGCSV30

RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO
$ 1 TCMX					CAS #: 877-09-8		
2.253	2.253	0.000	94900	0.02500	0.002423		
3 AROCLOR-1016					CAS #: 12674-11-2		
2.646	2.646	0.000	94881	0.50000	0.07859	80.00- 120.00	100.00
3.050	3.050	0.000	145349	0.50000	0.06251	114.89- 191.49	153.19
3.594	3.594	0.000	288544	0.50000	0.05946	228.08- 380.14	304.11
3.755	3.755	0.000	120872	0.50000	0.06090	95.54- 159.24	127.39
4.255	4.255	0.000	129901	0.50000	0.05875	102.68- 171.14	136.91
Average of Peak Amounts =					0.06404		
8 AROCLOR-1260					CAS #: 11096-82-5		
5.799	5.799	0.000	99676	0.50000	0.05925	80.00- 120.00	100.00
6.160	6.160	0.000	152093	0.50000	0.05880	114.44- 190.73	152.59
6.515	6.515	0.000	123116	0.50000	0.05559	92.64- 154.40	123.52
7.389	7.389	0.000	199002	0.50000	0.05362	149.74- 249.56	199.65
7.750	7.750	0.000	104609	0.50000	0.05420	78.71- 131.19	104.95
Average of Peak Amounts =					0.05629		
$ 9 DCB					CAS #: 2051-24-3		
9.158	9.158	0.000	113664	0.02500	0.002993		

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\016F1601.D
Date : 24-APR-2007 14:00
Client ID:
Sample Info: MRL,,2

Instrument: a2hp11.i
Operator:
Column phase: restek pest clpI
Column diameter: 0.53



Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\027F2701.D
Report Date: 25-Apr-2007 08:00

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp11.i Injection Date: 24-APR-2007 16:53
Lab File ID: 027F2701.D Init. Cal. Date(s): 13-APR-2007 14-APR-2007
Analysis Type: Init. Cal. Times: 15:21 02:04
Lab Sample ID: MRL Quant Type: ESTD
Method: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\HP11PCBF.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	39159733	3153720	0.010	91.94652	15.00000	Averaged	<-
3 AROCLOR-1016 (1)	1207284	184802	0.010	84.69274	15.00000	Averaged	<-
(2)	2325089	305982	0.010	86.83999	15.00000	Averaged	<-
(3)	4852296	579462	0.010	88.05798	15.00000	Averaged	<-
(4)	1984749	228656	0.010	88.47935	15.00000	Averaged	<-
(5)	2211052	282920	0.010	87.20428	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1682300	211130	0.010	87.44992	15.00000	Averaged	<-
(2)	2586445	317862	0.010	87.71047	15.00000	Averaged	<-
(3)	2214635	261050	0.010	88.21251	15.00000	Averaged	<-
(4)	3711182	423668	0.010	88.58402	15.00000	Averaged	<-
(5)	1929952	226560	0.010	88.26085	15.00000	Averaged	<-
$ 9 DCB	37978533	4838120	0.010	87.26091	15.00000	Averaged	<-

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\027F2701.D
Report Date: 25-Apr-2007 08:00

STL North Canton

Data file : \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\027F2701.D
Lab Smp Id: MRL
Inj Date : 24-APR-2007 16:53
Operator : Inst ID: a2hp11.i
Smp Info : MRL,,2
Misc Info : 12-AR1660TD.SUB
Comment :
Method : \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\HP11PCBF.m
Meth Date : 25-Apr-2007 08:00 a2hp11.i Quant Type: ESTD
Cal Date : 14-APR-2007 02:04 Cal File: 043F4301.D
Als bottle: 27 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPGCSV30

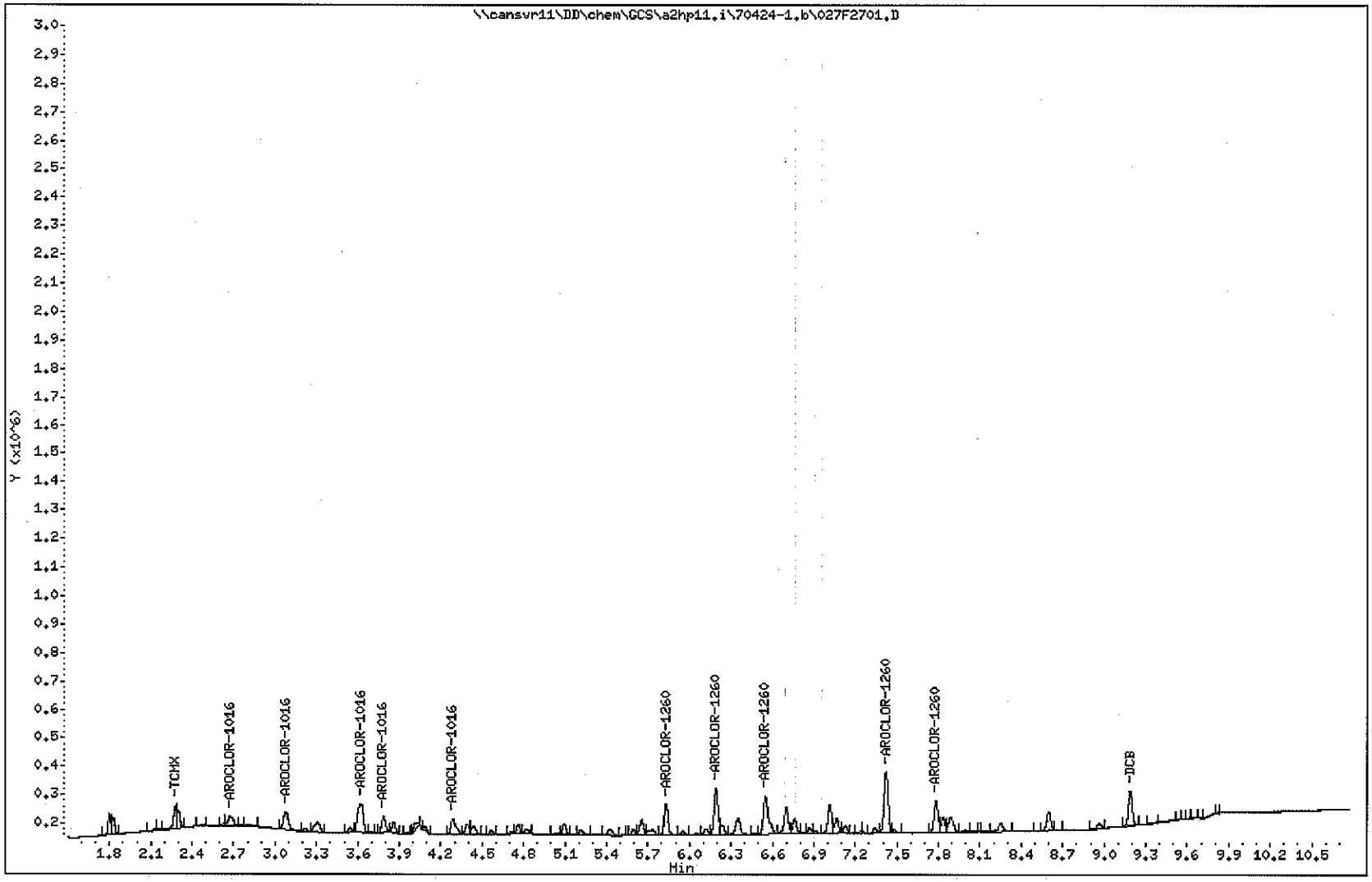
RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (ng)	ON-COL (ng)	TARGET RANGE	RATIO	
$ 1 TCMX					CAS #: 877-09-8			
2.276	2.276	0.000	78843	0.02500	0.002013			
3 AROCLOR-1016					CAS #: 12674-11-2			
2.674	2.674	0.000	92401	0.50000	0.07654	80.00- 120.00	100.00(M)	
3.079	3.079	0.000	152991	0.50000	0.06580	124.18- 206.97	165.57	
3.621	3.621	0.000	289731	0.50000	0.05971	235.17- 391.95	313.56	
3.784	3.784	0.000	114328	0.50000	0.05760	92.80- 154.66	123.73	
4.287	4.287	0.000	141460	0.50000	0.06398	114.82- 191.37	153.09	
		Average of Peak Amounts =			0.06473			
8 AROCLOR-1260					CAS #: 11096-82-5			
5.831	5.831	0.000	105565	0.50000	0.06275	80.00- 120.00	100.00	
6.192	6.192	0.000	158931	0.50000	0.06145	112.91- 188.19	150.55	
6.548	6.548	0.000	130525	0.50000	0.05894	92.73- 154.56	123.64	
7.421	7.421	0.000	211834	0.50000	0.05708	150.50- 250.83	200.67	
7.783	7.783	0.000	113280	0.50000	0.05870	80.48- 134.14	107.31	
		Average of Peak Amounts =			0.05978			
$ 9 DCB					CAS #: 2051-24-3			
9.188	9.188	0.000	120953	0.02500	0.003185			

QC Flag Legend

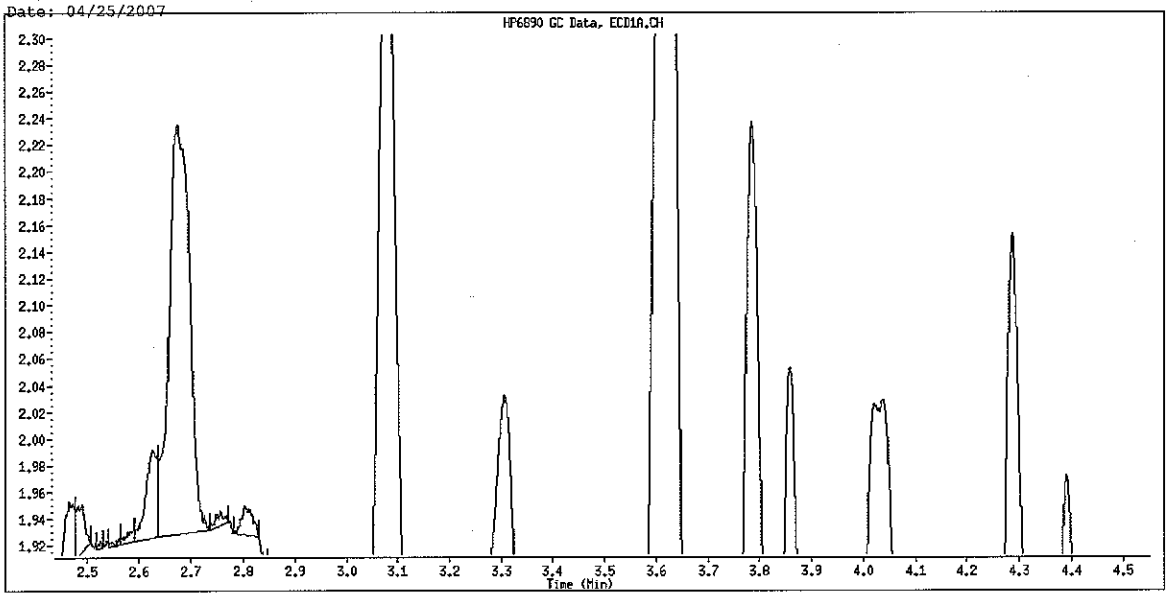
M - Compound response manually integrated.

Data File: \\cansvr11\DD\chem\GCS\a2hp11.i\70424-1.b\027F2701.D
Date : 24-APR-2007 16:53
Client ID:
Sample Info: MRL,,2

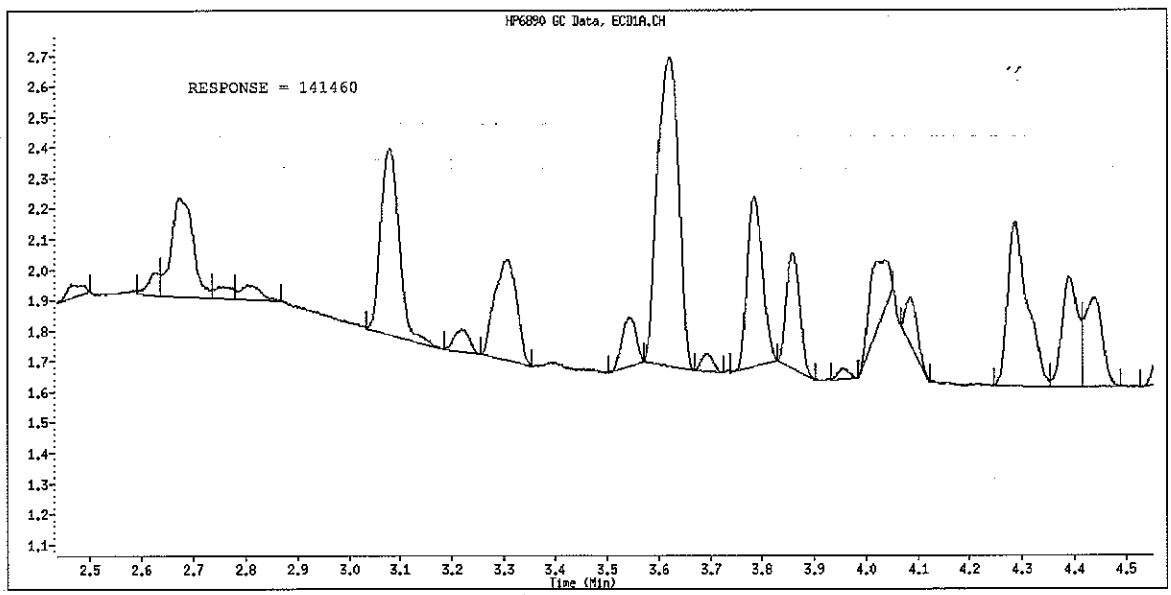
Instrument: a2hp11.i
Operator:
Column phase: restek pest clpI
Column diameter: 0.53



Data File Name: 027F2701.D
Inj. Date and Time: 24-APR-2007 16:53
Instrument ID: a2hp11.i
Client ID:
Compound Name: AROCLOR-1016
CAS #: 12674-11-2
Report Date: 04/25/2007



Original Integration



Manual Integration

Manually Integrated By: serraa
Manual Integration Reason: Unknown

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-017	**Work Order #...:**	JT4M81AG	**Matrix.....:**	WQ
Date Sampled...:	04/17/07 17:40	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1050 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(35 - 130)
Decachlorobiphenyl	26	(10 - 110)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT9591AA **Matrix.....:** WATER
MB Lot-Sample #: A7D190000-507

Prep Date.....: 04/20/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/24/07 **Prep Batch #...:** 7109507
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	0.50	ug/L	SW846 8082
Aroclor 1221	ND	0.50	ug/L	SW846 8082
Aroclor 1232	ND	0.50	ug/L	SW846 8082
Aroclor 1242	ND	0.50	ug/L	SW846 8082
Aroclor 1248	ND	0.50	ug/L	SW846 8082
Aroclor 1254	ND	0.50	ug/L	SW846 8082
Aroclor 1260	ND	0.50	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(35 - 130)
Decachlorobiphenyl	91	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D190102 **Work Order #...:** JT9591AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D190000-507
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109507
Dilution Factor: 5 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**101**	**(50 - 115)**	**SW846 8082**
Aroclor 1260	**100**	**(45 - 112)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(35 - 130)
Decachlorobiphenyl	94	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...:	A7D190102	**Work Order #...:**	JT7LC1AU-MS	**Matrix.....:**	WG
MS Lot-Sample #:	A7D190102-019		JT7LC1AV-MSD		
Date Sampled...:	04/18/07 09:55	**Date Received..:**	04/19/07		
Prep Date.....:	04/20/07	**Analysis Date..:**	04/24/07		
Prep Batch #...:	7109507				
Dilution Factor:	5	**Initial Wgt/Vol:**	500 mL	**Final Wgt/Vol..:**	2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**95**	**(10 - 200)**			**SW846 8082**
	97	**(10 - 200)**	**1.6**	**(0-30)**	**SW846 8082**
Aroclor 1260	**87**	**(10 - 150)**			**SW846 8082**
	90	**(10 - 150)**	**4.0**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	56	(35 - 130)
	52	(35 - 130)
Decachlorobiphenyl	72	(10 - 110)
	82	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METALS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GF

TOTAL Metals

Lot-Sample #...: A7D190102-002 **Matrix.....:** WG
Date Sampled...: 04/17/07 18:55 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KC1AX
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7KC1AA
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KC1AJ
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**17.6**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1AN**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KC1AD
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**45300**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1AP**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7KC1AE
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KC1AQ
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KC1A2
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**3.1 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1AR**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GF

TOTAL Metals

Lot-Sample #...: A7D190102-002 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**176**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KC1AF**
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**589 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1AW**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**7910**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1AT**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**9.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1AU**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**8530**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1A0**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**3.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KC1AV**
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KC1AK
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7KC1AC
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KC1AL
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KC1AG
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GF

TOTAL Metals

Lot-Sample #...: A7D190102-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KC1A1
		Dilution Factor: 1		Analysis Time..: 16:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.6 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KC1AH**
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7KC1AM
		Dilution Factor: 1		Analysis Time..: 13:42	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GF

TOTAL Metals

Lot-Sample #...: A7D190102-004 **Matrix.....:** WG
Date Sampled...: 04/18/07 13:30 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1A2
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**8.1 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KG1AE**
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1AM
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**283**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KG1AR**
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KG1AG
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**28600**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KG1AT**
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7KG1AH
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1AU
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1AD
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.1 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KG1AV**
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GF

TOTAL Metals

Lot-Sample #...: A7D190102-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**469**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KG1AJ**
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**4640 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KG1A1**
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**9530**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KG1AW**
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**34.6**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KG1AX**
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**42900**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KG1AA**
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1A0
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1AN
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7KG1AF
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1AP
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KG1AK
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GF

TOTAL Metals

Lot-Sample #...: A7D190102-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KG1AC
		Dilution Factor: 1		Analysis Time..: 16:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**11.7 J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KG1AL**
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7KG1AQ
		Dilution Factor: 1		Analysis Time..: 13:44	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GF

TOTAL Metals

Lot-Sample #...: A7D190102-006 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1A2
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**2.9 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KK1AE**
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1AM
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**9.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KK1AR**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KK1AG
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**46200**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KK1AT**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7KK1AH
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1AU
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1AD
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.1 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KK1AV**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GF

TOTAL Metals

Lot-Sample #...: A7D190102-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**196**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KK1AJ**
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**475 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KK1A1**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**14300**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KK1AW**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**52.6**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KK1AX**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**4060**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KK1AA**
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1A0
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1AN
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7KK1AF
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1AP
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KK1AK
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GF

TOTAL Metals

Lot-Sample #...: A7D190102-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KK1AC
		Dilution Factor: 1		Analysis Time..: 16:52	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.4 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KK1AL**
		Dilution Factor: 1		Analysis Time..: 13:52	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7KK1AQ
		Dilution Factor: 1		Analysis Time..: 13:45	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GF

TOTAL Metals

Lot-Sample #...: A7D190102-008 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KN1A2
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**3.5 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KN1AE**
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KN1AM
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**9.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1AR**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KN1AG
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**44000**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1AT**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7KN1AH
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KN1AU
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KN1AD
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.3 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1AV**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GF

TOTAL Metals

Lot-Sample #...: A7D190102-008 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**197**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KN1AJ**
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**470 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1A1**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**13600**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1AW**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**50.2**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1AX**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**4070**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1AA**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**1.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KN1A0**
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KN1AN
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7KN1AF
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KN1AP
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KN1AK
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GF

TOTAL Metals

Lot-Sample #...: A7D190102-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KN1AC
		Dilution Factor: 1		Analysis Time..: 16:57	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**4.6 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KN1AL**
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7KN1AQ
		Dilution Factor: 1		Analysis Time..: 13:46	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GF

TOTAL Metals

Lot-Sample #...: A7D190102-010 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:20 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1A2
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7KT1AE
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1AM
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**22.3**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KT1AR**
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KT1AG
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**63700**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KT1AT**
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7KT1AH
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1AU
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1AD
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.0 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KT1AV**
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GF

TOTAL Metals

Lot-Sample #...: A7D190102-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**350**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KT1AJ**
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1030 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KT1A1**
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**14900**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KT1AW**
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**46.8**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KT1AX**
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**3620**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KT1AA**
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1A0
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1AN
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7KT1AF
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1AP
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KT1AK
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GF

TOTAL Metals

Lot-Sample #...: A7D190102-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KT1AC
		Dilution Factor: 1		Analysis Time..: 17:02	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.0 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KT1AL**
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7KT1AQ
		Dilution Factor: 1		Analysis Time..: 13:47	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GF

TOTAL Metals

Lot-Sample #...: A7D190102-012 **Matrix.....:** WG
Date Sampled...: 04/18/07 17:10 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KX1A2
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7KX1AE
		Dilution Factor: 1		Analysis Time..: 14:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KX1AM
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**11.7**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1AR**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KX1AG
		Dilution Factor: 1		Analysis Time..: 14:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**76200**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1AT**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7KX1AH
		Dilution Factor: 1		Analysis Time..: 14:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KX1AU
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KX1AD
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.1 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1AV**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GF

TOTAL Metals

Lot-Sample #...: A7D190102-012 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1540**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KX1AJ**
		Dilution Factor: 1		Analysis Time..: 14:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1340 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1A1**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**23100**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1AW**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**209**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1AX**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**44200**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1AA**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**3.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7KX1A0**
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KX1AN
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7KX1AF
		Dilution Factor: 1		Analysis Time..: 14:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KX1AP
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7KX1AK
		Dilution Factor: 1		Analysis Time..: 14:01	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GF

TOTAL Metals

Lot-Sample #...: A7D190102-012 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7KX1AC
		Dilution Factor: 1		Analysis Time..: 17:24	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.0 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7KX1AL**
		Dilution Factor: 1		Analysis Time..: 14:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7KX1AQ
		Dilution Factor: 1		Analysis Time..: 13:48	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GF

TOTAL Metals

Lot-Sample #...: A7D190102-014 **Matrix.....:** WG
Date Sampled...: 04/17/07 17:25 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K31A2
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**25.2 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7K31AE**
		Dilution Factor: 1		Analysis Time..: 14:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**9.2**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31AM**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**150**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31AR**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7K31AG
		Dilution Factor: 1		Analysis Time..: 14:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**78800**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31AT**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7K31AH
		Dilution Factor: 1		Analysis Time..: 14:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K31AU
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K31AD
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.4 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31AV**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GF

TOTAL Metals

Lot-Sample #...: A7D190102-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**718**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7K31AJ**
		Dilution Factor: 1		Analysis Time..: 14:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1900 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31A1**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**31500**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31AW**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**71.7**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31AX**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**16400**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31AA**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**3.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K31A0**
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K31AN
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7K31AF
		Dilution Factor: 1		Analysis Time..: 14:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K31AP
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7K31AK
		Dilution Factor: 1		Analysis Time..: 14:14	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GF

TOTAL Metals

Lot-Sample #...: A7D190102-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K31AC
		Dilution Factor: 1		Analysis Time..: 17:29	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**10.7 J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7K31AL**
		Dilution Factor: 1		Analysis Time..: 14:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7K31AQ
		Dilution Factor: 1		Analysis Time..: 13:40	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GF

TOTAL Metals

Lot-Sample #...: A7D190102-016 **Matrix.....:** WG
Date Sampled...: 04/18/07 11:25 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K51A2
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7K51AE
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K51AM
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**147**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51AR**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7K51AG
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**49200**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51AT**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7K51AH
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K51AU
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K51AD
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.4 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51AV**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GF

TOTAL Metals

Lot-Sample #...: A7D190102-016 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**2040**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7K51AJ**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**2540 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51A1**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**15500**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51AW**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**706**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51AX**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**8090**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51AA**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**2.3 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7K51A0**
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K51AN
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7K51AF
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K51AP
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7K51AK
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GF

TOTAL Metals

Lot-Sample #...: A7D190102-016 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7K51AC
		Dilution Factor: 1		Analysis Time..: 17:34	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**10.9 J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7K51AL**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7K51AQ
		Dilution Factor: 1		Analysis Time..: 13:41	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GF

TOTAL Metals

Lot-Sample #...: A7D190102-018 **Matrix.....:** WG
Date Sampled...: 04/18/07 15:30 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 17:39	04/20-04/23/07 Analyst ID.....: 001637	JT7LA1A2
Aluminum	ND	50.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 14:20	04/20-04/25/07 Analyst ID.....: 002260	JT7LA1AE
Arsenic	**10.3**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 17:39	**04/20-04/23/07** Analyst ID.....: 001637	**JT7LA1AM**
Barium	**93.6**	**10.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 17:39	**04/20-04/23/07** Analyst ID.....: 001637	**JT7LA1AR**
Beryllium	ND	1.0 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 14:20	04/20-04/25/07 Analyst ID.....: 002260	JT7LA1AG
Calcium	**76100**	**1000** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 17:39	**04/20-04/23/07** Analyst ID.....: 001637	**JT7LA1AT**
Cadmium	ND	0.50 Dilution Factor: 1 Instrument ID..: I7	ug/L	SW846 6020 Analysis Time..: 14:20	04/20-04/25/07 Analyst ID.....: 002260	JT7LA1AH
Cobalt	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 17:39	04/20-04/23/07 Analyst ID.....: 001637	JT7LA1AU
Chromium	ND	5.0 Dilution Factor: 1 Instrument ID..: I5	ug/L	SW846 6010B Analysis Time..: 17:39	04/20-04/23/07 Analyst ID.....: 001637	JT7LA1AD
Copper	**2.2 B**	**5.0** Dilution Factor: 1 Instrument ID..: I5	**ug/L**	**SW846 6010B** Analysis Time..: 17:39	**04/20-04/23/07** Analyst ID.....: 001637	**JT7LA1AV**

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GF

TOTAL Metals

Lot-Sample #...: A7D190102-018 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1150**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7LA1AJ**
		Dilution Factor: 1		Analysis Time..: 14:20	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1750 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LA1A1**
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**25700**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LA1AW**
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**434**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LA1AX**
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**12800**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LA1AA**
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LA1A0
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LA1AN
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7LA1AF
		Dilution Factor: 1		Analysis Time..: 14:20	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LA1AP
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7LA1AK
		Dilution Factor: 1		Analysis Time..: 14:20	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GF

TOTAL Metals

Lot-Sample #...: A7D190102-018 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LA1AC
		Dilution Factor: 1		Analysis Time..: 17:39	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**7.5 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7LA1AL**
		Dilution Factor: 1		Analysis Time..: 14:20	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7LA1AQ
		Dilution Factor: 1		Analysis Time..: 13:57	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GF

TOTAL Metals

Lot-Sample #...: A7D190102-020 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1DH
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7LG1AL
		Dilution Factor: 1		Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1CA
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**26.5**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LG1CP**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7LG1AT
		Dilution Factor: 1		Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**68200**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LG1CT**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7LG1AW
		Dilution Factor: 1		Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1CW
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1AH
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.2 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LG1C1**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GF

TOTAL Metals

Lot-Sample #...: A7D190102-020 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**278**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7LG1A1**
		Dilution Factor: 1		Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**784 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LG1DE**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**22600**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LG1C4**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**54.6**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LG1C7**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**6350**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LG1AA**
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1DA
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1CE
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7LG1AP
		Dilution Factor: 1		Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1CH
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7LG1A4
		Dilution Factor: 1		Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GF

TOTAL Metals

Lot-Sample #...: A7D190102-020 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LG1AE
		Dilution Factor: 1		Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.1 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7LG1A7**
		Dilution Factor: 1		Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7LG1CL
		Dilution Factor: 1		Analysis Time..: 13:58	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GF

TOTAL Metals

Lot-Sample #...: A7D190102-022 **Matrix.....:** WG
Date Sampled...: 04/18/07 13:12 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1A2
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7LN1AE
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1AM
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**21.7**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LN1AR**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7LN1AG
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**47900**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LN1AT**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7LN1AH
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1AU
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1AD
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.8 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LN1AV**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GF

TOTAL Metals

Lot-Sample #...: A7D190102-022 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**275**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7LN1AJ**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1090 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LN1A1**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**5290**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LN1AW**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**28.4**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LN1AX**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**1640**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LN1AA**
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1A0
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1AN
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7LN1AF
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1AP
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7LN1AK
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GF

TOTAL Metals

Lot-Sample #...: A7D190102-022 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LN1AC
		Dilution Factor: 1		Analysis Time..: 18:04	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.2 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7LN1AL**
		Dilution Factor: 1		Analysis Time..: 14:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7LN1AQ
		Dilution Factor: 1		Analysis Time..: 14:02	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

TOTAL Metals

Lot-Sample #...: A7D190102-023 **Matrix.....:** WQ
Date Sampled...: 04/18/07 13:20 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A7
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7LQ1AK
		Dilution Factor: 1		Analysis Time..: 14:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1AT
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1AX
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7LQ1AM
		Dilution Factor: 1		Analysis Time..: 14:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	ND	1000	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A0
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7LQ1AN
		Dilution Factor: 1		Analysis Time..: 14:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A1
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1CA
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.1 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LQ1A2**
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

TOTAL Metals

Lot-Sample #...: A7D190102-023 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	20.0	ug/L	SW846 6020	04/20-04/25/07	JT7LQ1AP
		Dilution Factor: 1		Analysis Time..: 14:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**143 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7LQ1A6**
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	ND	1000	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A3
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A4
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	ND	1000	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A8
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A5
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1AU
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7LQ1AL
		Dilution Factor: 1		Analysis Time..: 14:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1AV
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7LQ1AQ
		Dilution Factor: 1		Analysis Time..: 14:39	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

TOTAL Metals

Lot-Sample #...: A7D190102-023 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7LQ1A9
		Dilution Factor: 1		Analysis Time..: 18:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**4.9 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7LQ1AR**
		Dilution Factor: 1		Analysis Time..: 14:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7LQ1AW
		Dilution Factor: 1		Analysis Time..: 14:03	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GF

TOTAL Metals

Lot-Sample #...: A7D190102-026 **Matrix.....:** WG
Date Sampled...: 04/18/07 12:30 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L21A2
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JT7L21AE
		Dilution Factor: 1		Analysis Time..: 14:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L21AM
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**46.1**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21AR**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7L21AG
		Dilution Factor: 1		Analysis Time..: 14:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**118000**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21AT**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7L21AH
		Dilution Factor: 1		Analysis Time..: 14:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L21AU
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L21AD
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**3.3 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21AV**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GF

TOTAL Metals

Lot-Sample #...: A7D190102-026 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**540**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L21AJ**
		Dilution Factor: 1		Analysis Time..: 14:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1320 J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21A1**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**33800**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21AW**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**70.8**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21AX**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**8770**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21AA**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**4.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L21A0**
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L21AN
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7L21AF
		Dilution Factor: 1		Analysis Time..: 14:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L21AP
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7L21AK
		Dilution Factor: 1		Analysis Time..: 14:42	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GF

TOTAL Metals

Lot-Sample #...: A7D190102-026 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L21AC
		Dilution Factor: 1		Analysis Time..: 18:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.5 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L21AL**
		Dilution Factor: 1		Analysis Time..: 14:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7L21AQ
		Dilution Factor: 1		Analysis Time..: 13:50	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GF

TOTAL Metals

Lot-Sample #...: A7D190102-028 **Matrix.....:** WG
Date Sampled...: 04/18/07 14:45 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L41A2
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**4.9 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L41AE**
		Dilution Factor: 1		Analysis Time..: 14:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L41AM
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**14.8**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41AR**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7L41AG
		Dilution Factor: 1		Analysis Time..: 14:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**86700**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41AT**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7L41AH
		Dilution Factor: 1		Analysis Time..: 14:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L41AU
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L41AD
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.8 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41AV**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GF

TOTAL Metals

Lot-Sample #...: A7D190102-028 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**347**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L41AJ**
		Dilution Factor: 1		Analysis Time..: 14:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**399 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41A1**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**21100**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41AW**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**2.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41AX**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**3240**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41AA**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**1.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L41A0**
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L41AN
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7L41AF
		Dilution Factor: 1		Analysis Time..: 14:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L41AP
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7L41AK
		Dilution Factor: 1		Analysis Time..: 14:55	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GF

TOTAL Metals

Lot-Sample #...: A7D190102-028 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L41AC
		Dilution Factor: 1		Analysis Time..: 18:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**12.7 J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L41AL**
		Dilution Factor: 1		Analysis Time..: 14:55	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7L41AQ
		Dilution Factor: 1		Analysis Time..: 13:51	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GF

TOTAL Metals

Lot-Sample #...: A7D190102-030 **Matrix.....:** WG
Date Sampled...: 04/18/07 15:27 **Date Received..:** 04/19/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7110032						
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L61A2
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**25.5 B**	**50.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L61AE**
		Dilution Factor: 1		Analysis Time..: 14:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L61AM
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**13.9**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61AR**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7L61AG
		Dilution Factor: 1		Analysis Time..: 14:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**9950**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61AT**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JT7L61AH
		Dilution Factor: 1		Analysis Time..: 14:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L61AU
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L61AD
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.6 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61AV**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GF

TOTAL Metals

Lot-Sample #...: A7D190102-030 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**111**	**20.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L61AJ**
		Dilution Factor: 1		Analysis Time..: 14:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**509 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61A1**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**4190**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61AW**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**5.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61AX**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**2640**	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61AA**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**2.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JT7L61A0**
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L61AN
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JT7L61AF
		Dilution Factor: 1		Analysis Time..: 14:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L61AP
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JT7L61AK
		Dilution Factor: 1		Analysis Time..: 14:58	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GF

TOTAL Metals

Lot-Sample #...: A7D190102-030 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JT7L61AC
		Dilution Factor: 1		Analysis Time..: 18:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.1 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JT7L61AL**
		Dilution Factor: 1		Analysis Time..: 14:58	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JT7L61AQ
		Dilution Factor: 1		Analysis Time..: 13:55	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

: Instrument Upload Run Log - Page 1 :
: Started Tue Apr 24 10:17:35 2007 by WILLIAML :
: Data File: UPL$CAN_DATA_ROOT:<TJA>I50423A.ARC;1 :

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1	1	23-APR-2007	10:12:00			I5
2	CAL1	1	23-APR-2007	10:17:00			I5
3	CAL2	1	23-APR-2007	10:23:00			I5
4	CAL3	1	23-APR-2007	10:29:00			I5
5	SCAL	1	23-APR-2007	10:34:00			I5
6	CAL	1	23-APR-2007	10:39:00			I5
7	ICV	1	23-APR-2007	10:45:00			I5
8	ICB	1	23-APR-2007	10:54:00			I5
9	CRI	MRL	23-APR-2007	10:59:00			I5
10	STD1	1	23-APR-2007	11:09:00			I5
11	CAL1	1	23-APR-2007	11:14:00			I5
12	CAL2	1	23-APR-2007	11:20:00			I5
13	CAL3	1	23-APR-2007	11:26:00			I5
14	SCAL	1	23-APR-2007	11:32:00			I5
15	CAL	1	23-APR-2007	11:36:00			I5
16	ICV	1	23-APR-2007	11:43:00			I5
17	ICB	1	23-APR-2007	11:51:00			I5
18	CRI	MRL	23-APR-2007	11:56:00			I5
19	ICSA	1	23-APR-2007	12:02:00			I5
20	AL	1	23-APR-2007	12:15:00			I5
21	FE	1	23-APR-2007	12:19:00			I5
22	ICSA	1	23-APR-2007	12:27:00			I5
23	ICSAB	1	23-APR-2007	12:32:00			I5
24	CCV	1	23-APR-2007	12:41:00			I5
25	CCB	1	23-APR-2007	12:49:00			I5
26	JTLEGA	1	23-APR-2007	12:54:00	7102027	A7D100107	I5
27	JT4J8B	1	23-APR-2007	12:59:00	7108017	A7D180000	I5
28	JT4J8C	1	23-APR-2007	13:04:00	7108017	A7D180000	I5
29	JT116	1	23-APR-2007	13:10:00	7108017	A7D170102	I5
30	JT118	1	23-APR-2007	13:15:00	7108017	A7D170102	I5
31	JT12A	1	23-APR-2007	13:20:00	7108017	A7D170102	I5
32	JT12D	1	23-APR-2007	13:25:00	7108017	A7D170102	I5
33	JT12F	1	23-APR-2007	13:30:00	7108017	A7D170102	I5
34	JT12J	1	23-APR-2007	13:35:00	7108017	A7D170102	I5
35	JT12JL	1	23-APR-2007	13:40:00			I5
36	CCV	1	23-APR-2007	13:48:00			I5
37	CCB	1	23-APR-2007	13:56:00			I5
38	JT12JX	1	23-APR-2007	14:01:00	7108017	A7D170102	I5
39	JT12JS	1	23-APR-2007	14:06:00	7108017	A7D170102	I5
40	JT12L	1	23-APR-2007	14:12:00	7108017	A7D170102	I5
41	JT12N	1	23-APR-2007	14:17:00	7108017	A7D170102	I5
42	JT5M8B	1	23-APR-2007	14:23:00	7108270	A7D180000	I5
43	JT5M8C	1	23-APR-2007	14:28:00	7108270	A7D180000	I5
44	JT4MP	1	23-APR-2007	14:33:00	7108270	A7D180106	I5

(continued)

void LW 4.24.07

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	JT4MR	1	23-APR-2007	14:38:00	7108270	A7D180106	I5
46	JT4MV	1	23-APR-2007	14:43:00	7108270	A7D180106	I5
47	JT4MX	1	23-APR-2007	14:48:00	7108270	A7D180106	I5
48	CCV	1	23-APR-2007	14:56:00			I5
49	CCB	1	23-APR-2007	15:05:00			I5
50	JT4M1	1	23-APR-2007	15:09:00	7108270	A7D180106	I5
51	JT4M1L	1	23-APR-2007	15:14:00			I5
52	JT4M1X	1	23-APR-2007	15:19:00	7108270	A7D180106	I5
53	JT4M1S	1	23-APR-2007	15:24:00	7108270	A7D180106	I5
54	JT4M3	1	23-APR-2007	15:30:00	7108270	A7D180106	I5
55	JT4M5	1	23-APR-2007	15:35:00	7108270	A7D180106	I5
56	JT4M6	1	23-APR-2007	15:40:00	7108270	A7D180106	I5
57	JT4M8	1	23-APR-2007	15:45:00	7108270	A7D180106	I5
58	JT4ND	1	23-APR-2007	15:50:00	7108270	A7D180106	I5
59	JT4NF	1	23-APR-2007	15:55:00	7108270	A7D180106	I5
60	CCV	1	23-APR-2007	16:03:00			I5
61	CCB 2	1	23-APR-2007	16:11:00			I5
62	JT4NH	1	23-APR-2007	16:16:00	7108270	A7D180106	I5
63	JT4NL	1	23-APR-2007	16:21:00	7108270	A7D180106	I5
64	JT4NV	1	23-APR-2007	16:26:00	7108270	A7D180106	I5
65	JVAJGB	1	23-APR-2007	16:32:00	7110032	A7D200000	I5
66	JVAJGC	1	23-APR-2007	16:37:00	7110032	A7D200000	I5
67	JT7KG	1	23-APR-2007	16:43:00	7110032	A7D190102	I5
68	JT7KG	1	23-APR-2007	16:48:00	7110032	A7D190102	I5
69	JT7KK	1	23-APR-2007	16:52:00	7110032	A7D190102	I5
70	JT7KN	1	23-APR-2007	16:57:00	7110032	A7D190102	I5
71	JT7KP	1	23-APR-2007	17:02:00	7110032	A7D190102	I5
72	CCV 3	1	23-APR-2007	17:11:00			I5
73	CCB 3	1	23-APR-2007	17:19:00			I5
74	JT7KX	1	23-APR-2007	17:24:00	7110032	A7D190102	I5
75	JT7K3	1	23-APR-2007	17:29:00	7110032	A7D190102	I5
76	JT7K5	1	23-APR-2007	17:34:00	7110032	A7D190102	I5
77	JT7LA	1	23-APR-2007	17:39:00	7110032	A7D190102	I5
78	JT7LC	1	23-APR-2007	17:44:00	7110032	A7D190102	I5
79	JT7LCF	1	23-APR-2007	17:48:00			I5
80	JT7LGX	1	23-APR-2007	17:53:00	7110032	A7D190102	I5
81	JT7LGS	1	23-APR-2007	17:58:00	7110032	A7D190102	I5
82	JT7LN	1	23-APR-2007	18:04:00	7110032	A7D190102	I5
83	JT7LQ	1	23-APR-2007	18:09:00	7110032	A7D190102	I5
84	CCV 4	1	23-APR-2007	18:17:00			I5
85	CCB 4	1	23-APR-2007	18:26:00			I5
86	JT7L2	1	23-APR-2007	18:30:00	7110032	A7D190102	I5
87	JT7L4	1	23-APR-2007	18:35:00	7110032	A7D190102	I5
88	JT7L6	1	23-APR-2007	18:40:00	7110032	A7D190102	I5

(continued)

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	JVFWPB	1	23-APR-2007	18:46:00	7113019	A7D230000	I5
90	JVFWPC	1	23-APR-2007	18:51:00	7113019	A7D230000	I5
91	JVAJ0	1	23-APR-2007	18:57:00	7113019	A7D200101	I5
92	JVAJ2	1	23-APR-2007	19:02:00	7113019	A7D200101	I5
93	JVAJ4	1	23-APR-2007	19:07:00	7113019	A7D200101	I5
94	JVAJ6	1	23-APR-2007	19:12:00	7113019	A7D200101	I5
95	JVAJ8	1	23-APR-2007	19:17:00	7113019	A7D200101	I5
96	CCV	1	23-APR-2007	19:25:00			I5
97	CCB	1	23-APR-2007	19:33:00			I5
98	JVAJ8L	1	23-APR-2007	19:38:00			I5
99	JVAJ8X	1	23-APR-2007	19:43:00	7113019	A7D200101	I5
100	JVAJ8S	1	23-APR-2007	19:48:00	7113019	A7D200101	I5
101	JVAKA	1	23-APR-2007	19:54:00	7113019	A7D200101	I5
102	JVAKD	1	23-APR-2007	19:59:00	7113019	A7D200101	I5
103	JVAKDL	1	23-APR-2007	20:04:00			I5
104	JVAKDX	1	23-APR-2007	20:09:00	7113019	A7D200101	I5
105	JVAKDS	1	23-APR-2007	20:14:00	7113019	A7D200101	I5
106	JVAKH	1	23-APR-2007	20:19:00	7113019	A7D200101	I5
107	JVAKK	1	23-APR-2007	20:24:00	7113019	A7D200101	I5
108	CCV	1	23-APR-2007	20:33:00			I5
109	CCB	1	23-APR-2007	20:41:00			I5
110	JVAKM	1	23-APR-2007	20:46:00	7113019	A7D200101	I5
111	JVAKQ	1	23-APR-2007	20:51:00	7113019	A7D200101	I5
112	JVAKR	1	23-APR-2007	20:56:00	7113019	A7D200101	I5
113	JVAK1	1	23-APR-2007	21:01:00	7113019	A7D200101	I5
114	CRI	MRL	23-APR-2007	21:09:00			I5
115	CCV	1	23-APR-2007	21:15:00			I5
116	CCB	1	23-APR-2007	21:24:00			I5
117	CCV	1	23-APR-2007	22:14:00			I5
118	CCB	1	23-APR-2007	22:22:00			I5
119	JVFWKB	1	23-APR-2007	22:27:00	7113017	A7D230000	I5
120	JVFWKC	1	23-APR-2007	22:32:00	7113017	A7D230000	I5
121	JVE39	1	23-APR-2007	22:39:00	7113017	A7D210141	I5
122	JVE4X	1	23-APR-2007	22:43:00	7113017	A7D210141	I5
123	JVC23	1	23-APR-2007	22:48:00	7113017	A7D200252	I5
124	JVC4K	1	23-APR-2007	22:53:00	7113017	A7D200282	I5
125	JVEXJ	1	23-APR-2007	22:58:00	7113017	7D19248	I5
126	JVEXN	1	23-APR-2007	23:03:00	7113017	7D19248	I5
127	JVEXP	1	23-APR-2007	23:08:00	7113017	7D19248	I5
128	JVEXR	1	23-APR-2007	23:13:00	7113017	7D19248	I5
129	CCV	1	23-APR-2007	23:21:00			I5
130	CCB	1	23-APR-2007	23:30:00			I5
131	JVEXT	1	23-APR-2007	23:34:00	7113017	7D19248	I5
132	JVEXX	1	23-APR-2007	23:39:00	7113017	7D19248	I5

(continued)

STL North Canton

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPMS **Units:** ug/L

Chart Number: 042507b.rep **Acceptable Range:** 70% - 130%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	QC Std 3 04/25/07 11:06 AM Found	% Rec	QC Std 3 04/25/07 7:34 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	27	50.0	53.52	**107.0**	48.00	**96.0**						
Antimony	121	2.0	1.74	**87.0**	1.35	**67.7**						
Beryllium	9	1.0	0.99	**98.9**	1.09	**109.3**						
Cadmium	111	0.5	0.52	**103.6**	0.48	**96.4**						
Iron	57	20.0	19.97	**99.8**	13.22	**66.1**						
Thallium	205	1.0	1.04	**104.1**	0.98	**97.8**						
Zinc	68	10.0	10.10	**101.0**	10.48	**104.8**						

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 04/23/07 11:51 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	5	2.4	U								
Barium	493.409	10	0.9	U								
Calcium	317.933	1000	9.9	U								
Chromium	267.716	5	1.3	U								
Cobalt	228.616	5	1.4	U								
Copper	324.753	5	4.6	U								
Lead	220.353	3	1.9	U								
Magnesium	279.078	1000	20.3	U								
Manganese	257.61	10	0.4	U								
Nickel	231.604	10	1.7	U								
Potassium	766.491	1000	**148.0**	**B**								
Selenium	196.026	5	2.7	U								
Silver	328.068	5	1.1	U								
Sodium	330.232	1000	598.0	U								
Vanadium	292.402	10	2.3	U								

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPMS **Units:** ug/L

Chart Number: 042507b.rep

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	QC Std 2 04/25/07 11:03 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	27	50	5.9	U								
Antimony	121	2	**-0.3**	**B**								
Beryllium	9	1	**-0.04**	**B**								
Cadmium	111	0.5	0.028	U								
Iron	57	20	7.4	U								
Thallium	205	1	0.05	U								
Zinc	68	10	0.98	U								

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 04/23/07 12:49 PM Found	Q	CCB 04/23/07 4:11 PM Found	Q	CCB 04/23/07 5:19 PM Found	Q	CCB 04/23/07 6:26 PM Found	Q	CCB 04/23/07 7:33 PM Found	Q
Arsenic	189.042	5	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	10	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Calcium	317.933	1000	9.9	U	9.9	U	9.9	U	9.9	U	9.9	U
Chromium	267.716	5	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Cobalt	228.616	5	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Copper	324.753	5	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
Lead	220.353	3	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Magnesium	279.078	1000	20.3	U	20.3	U	20.3	U	20.3	U	20.3	U
Manganese	257.61	10	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Nickel	231.604	10	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
Potassium	766.491	1000	**149.0**	**B**	**149.0**	**B**	**150.0**	**B**	**149.0**	**B**	**151.0**	**B**
Selenium	196.026	5	2.7	U	2.7	U	2.7	U	**-3.7**	**B**	2.7	U
Silver	328.068	5	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Sodium	330.232	1000	598.0	U	[redacted]	B	598.0	U	598.0	U	598.0	U
Vanadium	292.402	10	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U

U Result is less than the IDL

B Result is between IDL and RL

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 04/23/07 8:41 PM Found	Q	CCB 04/23/07 9:24 PM Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	5	2.4	U	2.4	U						
Barium	493.409	10	0.9	U	0.9	U						
Calcium	317.933	1000	9.9	U	9.9	U						
Chromium	267.716	5	1.3	U	1.3	U						
Cobalt	228.616	5	**1.4**	**B**	1.4	U						
Copper	324.753	5	4.6	U	4.6	U						
Lead	220.353	3	1.9	U	1.9	U						
Magnesium	279.078	1000	20.3	U	20.3	U						
Manganese	257.61	10	0.4	U	0.4	U						
Nickel	231.604	10	**1.7**	**B**	1.7	U						
Potassium	766.491	1000	**165.0**	**B**	**149.0**	**B**						
Selenium	196.026	5	2.7	U	2.7	U						
Silver	328.068	5	**1.2**	**B**	1.1	U						
Sodium	330.232	1000	598.0	U	598.0	U						
Vanadium	292.402	10	2.3	U	2.3	U						

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

Method Blank Outlier Report

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN
Analysis Method : 6010B **Analysis Date :** 04/23/2007
Preparation Type : 3005A **Preparation Date :** 04/20/2007
Method Blank Lab Sample ID : A7D200000032B **Preparation Batch :** 7110032

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	145	1000	ug/L	B	

Potassium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-005C-0406-GF	A7D190102028	1	399	B J	ug/L
FWGBKGmw-016C-0413-GF	A7D190102030	1	509	B J	ug/L
FWGEQUIPRinse3-0458-GW	A7D190102023	1	143	B J	ug/L
FWGLL2mw-059C-0422-GF	A7D190102002	1	589	B J	ug/L
FWGWBGmw-009C-0440-G	A7D190102006	1	475	B J	ug/L
FWGWBGmw-DUP3-0451-G	A7D190102008	1	470	B J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	5.1	10.0	ug/L	B	

Zinc was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGBKGmw-005C-0406-GF	A7D190102028	1	12.7	J	ug/L
FWGBKGmw-006C-0407-GF	A7D190102012	1	6.0	B J	ug/L
FWGBKGmw-012C-0410-GF	A7D190102004	1	11.7	J	ug/L
FWGBKGmw-013C-0411-GF	A7D190102018	1	7.5	B J	ug/L
FWGBKGmw-016C-0413-GF	A7D190102030	1	6.1	B J	ug/L
FWGBKGmw-018C-0415-GF	A7D190102022	1	6.2	B J	ug/L
FWGBKGmw-019C-0416-GF	A7D190102026	1	6.5	B J	ug/L
FWGBKGmw-020C-0417-GF	A7D190102016	1	10.9	J	ug/L
FWGCBPmw-006C-0435-GF	A7D190102014	1	10.7	J	ug/L
FWGEQUIPRinse3-0458-GW	A7D190102023	1	4.9	B J	ug/L
FWGLL2mw-059C-0422-GF	A7D190102002	1	6.6	B J	ug/L
FWGWBGmw-006C-0438-G	A7D190102020	1	5.1	B J	ug/L
FWGWBGmw-007C-0439-G	A7D190102010	1	6.0	B J	ug/L
FWGWBGmw-009C-0440-G	A7D190102006	1	5.4	B J	ug/L
FWGWBGmw-DUP3-0451-G	A7D190102008	1	4.6	B J	ug/L

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7D200000-032 **Prep Batch #...:** 7110032						
Aluminum	ND	50.0	ug/L	SW846 6020	04/20-04/25/07	JVAJG1AE
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 002260	Instrument ID..: I7	
Antimony	ND	2.0	ug/L	SW846 6020	04/20-04/25/07	JVAJG1AF
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 002260	Instrument ID..: I7	
Arsenic	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AM
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Barium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AR
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Beryllium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JVAJG1AG
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 002260	Instrument ID..: I7	
Cadmium	ND	0.50	ug/L	SW846 6020	04/20-04/25/07	JVAJG1AH
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 002260	Instrument ID..: I7	
Calcium	ND	1000	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AT
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Chromium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AD
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Cobalt	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AU
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Copper	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AV
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Iron	ND	20.0	ug/L	SW846 6020	04/20-04/25/07	JVAJG1AJ
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 002260	Instrument ID..: I7	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AN
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Magnesium	ND	1000	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AW
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Manganese	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AX
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Nickel	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1A0
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Potassium	145 B	**1000**	**ug/L**	**SW846 6010B**	**04/20-04/23/07**	**JVAJG1A1**
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Selenium	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AP
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Silver	ND	5.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1A2
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Sodium	ND	1000	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AA
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Thallium	ND	1.0	ug/L	SW846 6020	04/20-04/25/07	JVAJG1AK
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 002260	Instrument ID..: I7	
Vanadium	ND	10.0	ug/L	SW846 6010B	04/20-04/23/07	JVAJG1AC
		Dilution Factor: 1				
		Analysis Time..: 16:32		Analyst ID.....: 001637	Instrument ID..: I5	
Zinc	**5.1 B**	**10.0**	**ug/L**	**SW846 6020**	**04/20-04/25/07**	**JVAJG1AL**
		Dilution Factor: 1				
		Analysis Time..: 13:39		Analyst ID.....: 002260	Instrument ID..: I7	
Mercury	ND	0.20	ug/L	SW846 7470A	04/20/07	JVAJG1AQ
		Dilution Factor: 1				
		Analysis Time..: 13:35		Analyst ID.....: 001086	Instrument ID..: H1	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D190102 Matrix.....: WATER

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

TOTAL Metals

Lot-Sample #...: A7D180106-017 **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A7
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AK
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AT
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AX
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AM
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**95.0 B**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M81A0**
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4M81AN
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A1
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81CA
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**1.9 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M81A2**
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

TOTAL Metals

Lot-Sample #...: A7D180106-017 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	20.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AP
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**148 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M81A6**
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A3
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A4
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A8
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A5
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AU
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AL
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AV
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AQ
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

TOTAL Metals

Lot-Sample #...: A7D180106-017 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A9
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.1 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M81AR**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4M81AW
		Dilution Factor: 1		Analysis Time..: 12:22	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7D200000-032 **Prep Batch #...:** 7110032					
Sodium	107	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1A3
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Vanadium	104	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1A4
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Chromium	108	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1A5
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Aluminum	107	(70 - 118)	SW846 6020	04/20-04/25/07	JVAJG1A6
		Dilution Factor: 1	Analysis Time..: 13:42	Analyst ID.....: 002260	
		Instrument ID..: I7			
Antimony	102	(62 - 110)	SW846 6020	04/20-04/25/07	JVAJG1A7
		Dilution Factor: 1	Analysis Time..: 13:42	Analyst ID.....: 002260	
		Instrument ID..: I7			
Beryllium	112	(86 - 113)	SW846 6020	04/20-04/25/07	JVAJG1A8
		Dilution Factor: 1	Analysis Time..: 15:43	Analyst ID.....: 002260	
		Instrument ID..: I7			
Cadmium	116	(82 - 116)	SW846 6020	04/20-04/25/07	JVAJG1A9
		Dilution Factor: 1	Analysis Time..: 13:42	Analyst ID.....: 002260	
		Instrument ID..: I7			
Iron	105	(72 - 115)	SW846 6020	04/20-04/25/07	JVAJG1CA
		Dilution Factor: 1	Analysis Time..: 13:42	Analyst ID.....: 002260	
		Instrument ID..: I7			
Thallium	105	(69 - 114)	SW846 6020	04/20-04/25/07	JVAJG1CC
		Dilution Factor: 1	Analysis Time..: 13:42	Analyst ID.....: 002260	
		Instrument ID..: I7			
Zinc	116	(90 - 127)	SW846 6020	04/20-04/25/07	JVAJG1CD
		Dilution Factor: 1	Analysis Time..: 13:42	Analyst ID.....: 002260	
		Instrument ID..: I7			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	100	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CE
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Lead	100	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CF
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Selenium	108	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CG
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Barium	107	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CJ
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Calcium	103	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CK
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Cobalt	103	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CL
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Copper	106	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CM
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Magnesium	103	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CN
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Manganese	106	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CP
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Nickel	95	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CQ
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Potassium	102	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CR
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	115	(80 - 120)	SW846 6010B	04/20-04/23/07	JVAJG1CT
		Dilution Factor: 1	Analysis Time..: 16:37	Analyst ID.....: 001637	
		Instrument ID..: I5			
Mercury	114	(82 - 131)	SW846 7470A	04/20/07	JVAJG1CH
		Dilution Factor: 1	Analysis Time..: 13:36	Analyst ID.....: 001086	
		Instrument ID..: H1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7D190102-020 **Prep Batch #...:** 7110032					
Aluminum	102	(70 - 130)	SW846 6020	04/20-04/25/07	JT7LG1AM
		Dilution Factor: 1	Analysis Time..: 14:23	Instrument ID..: I7	
		Analyst ID.....: 002260			
Antimony	98	(70 - 130)	SW846 6020	04/20-04/25/07	JT7LG1AQ
		Dilution Factor: 1	Analysis Time..: 14:23	Instrument ID..: I7	
		Analyst ID.....: 002260			
Arsenic	102	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1CC
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Barium	110	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1CQ
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Beryllium	108	(70 - 130)	SW846 6020	04/20-04/25/07	JT7LG1AU
		Dilution Factor: 1	Analysis Time..: 14:23	Instrument ID..: I7	
		Analyst ID.....: 002260			
Cadmium	107	(70 - 130)	SW846 6020	04/20-04/25/07	JT7LG1AX
		Dilution Factor: 1	Analysis Time..: 14:23	Instrument ID..: I7	
		Analyst ID.....: 002260			
Calcium	103	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1CU
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Chromium	109	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1AJ
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Cobalt	105	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1CX
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Copper	108	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1C2
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	103	(70 - 130)	SW846 6020	04/20-04/25/07	JT7LG1A2
		Dilution Factor: 1	Analysis Time..: 14:23	Instrument ID..: I7	
		Analyst ID.....: 002260			
Lead	102	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1CF
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Magnesium	106	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1C5
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Manganese	108	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1C8
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Nickel	95	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1DC
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Potassium	106	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1DF
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Selenium	110	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1CJ
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Silver	116	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1DJ
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Sodium	110	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1AC
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			
Thallium	96	(70 - 130)	SW846 6020	04/20-04/25/07	JT7LG1A5
		Dilution Factor: 1	Analysis Time..: 14:23	Instrument ID..: I7	
		Analyst ID.....: 002260			
Vanadium	106	(75 - 125)	SW846 6010B	04/20-04/23/07	JT7LG1AF
		Dilution Factor: 1	Analysis Time..: 17:44	Instrument ID..: I5	
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D190102 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	110	(70 - 130)	SW846 6020	04/20-04/25/07	JT7LG1A8
		Dilution Factor: 1	Analysis Time..: 14:23		Instrument ID..: I7
		Analyst ID.....: 002260			
Mercury	108	(68 - 149)	SW846 7470A	04/20/07	JT7LG1CM
		Dilution Factor: 1	Analysis Time..: 13:58		Instrument ID..: H1
		Analyst ID.....: 001086			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: A7D190102 **Work Order #...:** JT7LG-SMP JT7LG-DUP **Matrix.....:** WG

Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Silver						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					
Aluminum						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/20-04/25/07	7110032
			Dilution Factor: 1			Analysis Time..: 14:23	Analyst ID.....: 002260	
			Instrument ID..: I7					
Arsenic						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					
Barium						SD Lot-Sample #: A7D190102-020		
	26.5	26.3	ug/L	0.71	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					
Beryllium						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/20-04/25/07	7110032
			Dilution Factor: 1			Analysis Time..: 14:23	Analyst ID.....: 002260	
			Instrument ID..: I7					
Calcium						SD Lot-Sample #: A7D190102-020		
	68200	67900	ug/L	0.39	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					
Cadmium						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/20-04/25/07	7110032
			Dilution Factor: 1			Analysis Time..: 14:23	Analyst ID.....: 002260	
			Instrument ID..: I7					
Cobalt						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					
Chromium						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					

(Continued on next page)

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D190102-000 **Work Order #...:** JT7LG-SMP JT7LG-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Copper						SD Lot-Sample #: A7D190102-020		
	2.2 B	2.0 B	ug/L	10	(0-20)	SW846 6010B	04/20-04/23/07	7110032
		Dilution Factor: 1				Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5						
Iron						SD Lot-Sample #: A7D190102-020		
	278	294	ug/L	5.6	(0-20)	SW846 6020	04/20-04/25/07	7110032
		Dilution Factor: 1				Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7						
Potassium						SD Lot-Sample #: A7D190102-020		
	784 B,J	775 B	ug/L	1.1	(0-20)	SW846 6010B	04/20-04/23/07	7110032
		Dilution Factor: 1				Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5						
Magnesium						SD Lot-Sample #: A7D190102-020		
	22600	22500	ug/L	0.55	(0-20)	SW846 6010B	04/20-04/23/07	7110032
		Dilution Factor: 1				Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5						
Manganese						SD Lot-Sample #: A7D190102-020		
	54.6	54.1	ug/L	0.84	(0-20)	SW846 6010B	04/20-04/23/07	7110032
		Dilution Factor: 1				Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5						
Sodium						SD Lot-Sample #: A7D190102-020		
	6350	6310	ug/L	0.55	(0-20)	SW846 6010B	04/20-04/23/07	7110032
		Dilution Factor: 1				Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5						
Nickel						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
		Dilution Factor: 1				Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5						
Lead						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
		Dilution Factor: 1				Analysis Time..: 17:44	Analyst ID.....: 001637	
		Instrument ID..: I5						
Antimony						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/20-04/25/07	7110032
		Dilution Factor: 1				Analysis Time..: 14:23	Analyst ID.....: 002260	
		Instrument ID..: I7						

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SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D190102-000 **Work Order #...:** JT7LG-SMP JT7LG-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Selenium						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					
Thallium						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/20-04/25/07	7110032
			Dilution Factor: 1			Analysis Time..: 14:23	Analyst ID.....: 002260	
			Instrument ID..: I7					
Vanadium						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/20-04/23/07	7110032
			Dilution Factor: 1			Analysis Time..: 17:44	Analyst ID.....: 001637	
			Instrument ID..: I5					
Zinc						SD Lot-Sample #: A7D190102-020		
	5.1 B,J	4.8 B	ug/L	6.4	(0-20)	SW846 6020	04/20-04/25/07	7110032
			Dilution Factor: 1			Analysis Time..: 14:23	Analyst ID.....: 002260	
			Instrument ID..: I7					
Mercury						SD Lot-Sample #: A7D190102-020		
	ND	ND	ug/L	0	(0-20)	SW846 7470A	04/20/07	7110032
			Dilution Factor: 1			Analysis Time..: 13:58	Analyst ID.....: 001086	
			Instrument ID..: H1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units
6010B	AQ	Nickel	FWGWBGmw-00	ES/TO	10.0	U	FWGWBGmw-DU	ES/TO	1.8	B	200.0	30	ug/L
8081A	AQ	beta-BHC	FWGWBGmw-00	RES	0.0087	J	FWGWBGmw-DU	RES	0.030	U	200.0	30	ug/L

Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

Project Number and Name: ***030240.0005 - Ravenna GW***

GENERAL CHEMISTRY DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

General Chemistry

Lot-Sample #...: A7D190102-001 **Work Order #...:** JT7J7 **Matrix.....:** WG
Date Sampled...: 04/17/07 18:55 **Date Received..:** 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/24/07	7114154
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

General Chemistry

Lot-Sample #...: A7D190102-003 Work Order #...: JT7KE Matrix.....: WG
Date Sampled...: 04/18/07 13:30 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115394
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

General Chemistry

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115394
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

General Chemistry

Lot-Sample #...: A7D190102-007 Work Order #...: JT7KL Matrix.....: WG
Date Sampled...: 04/18/07 09:08 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115394
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

General Chemistry

Lot-Sample #...: A7D190102-009 Work Order #...: JT7KQ Matrix.....: WG
Date Sampled...: 04/18/07 09:20 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115394
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

General Chemistry

Lot-Sample #...: A7D190102-011 Work Order #...: JT7KV Matrix.....: WG
Date Sampled...: 04/18/07 17:10 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115394
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

General Chemistry

Lot-Sample #...: A7D190102-013 Work Order #...: JT7K1 Matrix.....: WG
Date Sampled...: 04/17/07 17:25 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	0.011	0.010	mg/L	SW846 9012A	04/24/07	7114154
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

General Chemistry

Lot-Sample #...: A7D190102-015 Work Order #...: JT7K4 Matrix.....: WG
Date Sampled...: 04/18/07 11:25 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

General Chemistry

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K6 **Matrix.....:** WG
Date Sampled...: 04/18/07 15:30 **Date Received..:** 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

General Chemistry

Lot-Sample #...: A7D190102-019 Work Order #...: JT7LC Matrix.....: WG
Date Sampled...: 04/18/07 09:55 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	0.0090 B	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

General Chemistry

Lot-Sample #...: A7D190102-021 Work Order #...: JT7LM Matrix.....: WG
Date Sampled...: 04/18/07 13:12 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

General Chemistry

Lot-Sample #...: A7D190102-023 Work Order #...: JT7LQ Matrix.....: WQ
Date Sampled...: 04/18/07 13:20 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1				
Nitrocellulose	0.22 B	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

General Chemistry

Lot-Sample #...: A7D190102-025 Work Order #...: JT7LW Matrix.....: WG
Date Sampled...: 04/18/07 12:30 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

General Chemistry

Lot-Sample #...: A7D190102-027 Work Order #...: JT7L3 Matrix.....: WG
Date Sampled...: 04/18/07 14:45 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

General Chemistry

Lot-Sample #...: A7D190102-029 Work Order #...: JT7L5 Matrix.....: WG
Date Sampled...: 04/18/07 15:27 Date Received..: 04/19/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	05/03-05/04/07	7123283
	Dilution Factor: 1					

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7D190102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JVHVQ1AA		MB Lot-Sample #:	A7D240000-154	
	ND	0.010	mg/L	SW846 9012A	04/24/07	7114154
		Dilution Factor: 1				
Cyanide, Total		Work Order #: JVL9H1AA		MB Lot-Sample #:	A7D250000-387	
	ND	0.010	mg/L	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1				
Nitrocellulose		Work Order #: JV1711AA		MB Lot-Sample #:	G7E010000-313	
		0.50	**mg/L**	**MCAWW 353.2**	**05/01-**	**7121313**
		Dilution Factor: 1				
Total Cyanide		Work Order #: JVMAN1AA		MB Lot-Sample #:	A7D250000-394	
	ND	0.010	mg/L	SW846 9012A	04/25/07	7115394
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

General Chemistry

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M8 **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D190102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JVHVQ1AC	LCS Lot-Sample#: A7D240000-154		
	100	(69 - 118)	SW846 9012A	04/24/07	7114154
		Dilution Factor: 1			
Cyanide, Total		Work Order #: JVL9H1AC	LCS Lot-Sample#: A7D250000-387		
	95	(69 - 118)	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1			
Nitrocellulose		Work Order #: JV1711AC	LCS Lot-Sample#: G7E010000-313		
	0	(37 - 155)	MCAWW 353.2	05/01-	7121313
		Dilution Factor: 1			
Total Cyanide		Work Order #: JVMAN1AC	LCS Lot-Sample#: A7D250000-394		
	95	(69 - 118)	SW846 9012A	04/25/07	7115394
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7115387 **Analysis Method :** 9012A **Analysis Date :** 04/25/2007

Preparation Batch : 7115387 **Preparation Type :** Gen Prep **Preparation Date :** 04/25/2007

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGWBGmw-006C-043	A7D190102019S	AQ	Cyanide	73		40.00	75.00	125.00	20.00
FWGWBGmw-006C-043	A7D190102019D		Cyanide	72		40.00	75.00	125.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWGBKGmw-005C-0406-GW	A7D190102027
FWGBKGmw-013C-0411-GW	A7D190102017
FWGBKGmw-016C-0413-GW	A7D190102029
FWGBKGmw-018C-0415-GW	A7D190102021
FWGBKGmw-019C-0416-GW	A7D190102025
FWGBKGmw-020C-0417-GW	A7D190102015
FWGEQUIPRinse3-0458-GW	A7D190102023
FWGWBGmw-006C-0438-GW	A7D190102019

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7123283 **Analysis Method :** 353.2 Modified **Analysis Date :** 05/04/2007

Preparation Batch : 7123283 **Preparation Type :** 3535 **Preparation Date :** 05/03/2007

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGWBGmw-006C-043	A7D190102019D	AQ	Nitrocellulose	41	36	30.00	56.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWGBKGmw-005C-0406-GW	A7D190102027
FWGBKGmw-006C-0407-GW	A7D190102011
FWGBKGmw-012C-0410-GW	A7D190102003
FWGBKGmw-013C-0411-GW	A7D190102017
FWGBKGmw-016C-0413-GW	A7D190102029
FWGBKGmw-018C-0415-GW	A7D190102021
FWGBKGmw-019C-0416-GW	A7D190102025
FWGBKGmw-020C-0417-GW	A7D190102015
FWGCBPmw-006C-0435-GW	A7D190102013
FWGEQUIPRinse3-0458-GW	A7D190102023
FWGLL2mw-059C-0422-GW	A7D190102001
FWGWBGmw-006C-0438-GW	A7D190102019
FWGWBGmw-007C-0439-GW	A7D190102009
FWGWBGmw-009C-0440-GW	A7D190102005
FWGWBGmw-DUP3-0451-GW	A7D190102007

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D190102 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: JT7LC1AM-MS/JT7LC1AN-MSD				MS Lot-Sample #: A7D190102-019	
	73	(42 - 140)			SW846 9012A	04/25/07	7115387
	72	(42 - 140)	1.0	(0-20)	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1					
Nitrocellulose		WO#: JT7LC1AX-MS/JT7LC1A0-MSD				MS Lot-Sample #: A7D190102-019	
	0	(37 - 155)			MCAWW 353.2	05/01-	7121313
		(37 - 155)		(0-15)	MCAWW 353.2	05/01-	7121313
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D190102 **Matrix.....:** WATER
Date Sampled...: 04/17/07 15:10 **Date Received..:** 04/19/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: JVAK71CU-MS/JVAK71CV-MSD				MS Lot-Sample #: A7D200102-001	
	92	(42 - 140)			SW846 9012A	04/25/07	7115387
	91	(42 - 140)	0.54	(0-20)	SW846 9012A	04/25/07	7115387
		Dilution Factor: 1					
Cyanide, Total		WO#: JVAMH1CW-MS/JVAMH1CX-MSD				MS Lot-Sample #: A7D200103-015	
	105	(42 - 140)			SW846 9012A	04/25/07	7115394
	102	(42 - 140)	2.6	(0-20)	SW846 9012A	04/25/07	7115394
		Dilution Factor: 1					
Total Cyanide		WO#: JT8VG1AC-MS/JT8VG1AD-MSD				MS Lot-Sample #: A7D190233-005	
	92	(42 - 140)			SW846 9012A	04/24/07	7114153
	97	(42 - 140)	6.1	(0-20)	SW846 9012A	04/24/07	7114153
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL-Canton
Konelab 250

Date : 2007-04-24
Time : 12.03

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
CCB-CN	-0.0029	0.005			2007-04-24 10.08
~~CCV-CN~~	~~0.1010~~	~~0.097~~			~~2007-04-24 10.09~~
~~CCV-CN~~	~~0.0980~~	~~0.094~~			~~2007-04-24 11.08~~
CCB-CN	-0.0023	0.005			2007-04-24 11.08
BLK	-0.0022	0.005			2007-04-24 11.08
BLK-S	-0.0015	0.006			2007-04-24 11.08
~~0.005 wkl~~	~~0.0020~~	~~0.009~~ 90%			~~2007-04-24 11.08~~
~~CCV 0.1~~	~~0.0985~~	~~0.094~~			~~2007-04-24 11.08~~
JT8VG	-0.0007	0.007			2007-04-24 11.08
JT8VG MS	0.0366	0.040			2007-04-24 11.08
~~CCV-CN~~	~~0.0983~~	~~0.094~~			~~2007-04-24 11.14~~
CCB-CN	-0.0021	0.005			2007-04-24 11.14
JT8VG MSD	0.0389	0.042			2007-04-24 11.14
JT8VJ	-0.0008	0.007			2007-04-24 11.14
JT8WW	-0.0011	0.006			2007-04-24 11.14
JVC23	-0.0014	0.006			2007-04-24 11.14
JVC4K	-0.0009	0.006			2007-04-24 11.14
JT8WH	-0.0012	0.006			2007-04-24 11.14
JVCLD	-0.0031	0.005			2007-04-24 11.14
JVGQC	-0.0013	0.006			2007-04-24 11.14
JVGTV	-0.0009	0.006			2007-04-24 11.14
JVGTX	0.0004	0.008			2007-04-24 11.14
~~CCV-CN~~	0.0979	0.094			2007-04-24 11.19
CCB-CN	-0.0019	0.006			2007-04-24 11.19
~~JT7JZ~~	~~-0.0026~~	~~0.005~~			~~2007-04-24 11.19~~
JVDR7-S	-0.1250	0.005		1+49.0	2007-04-24 11.19
JVDR7 MS	1.7940	0.039		1+49.0	2007-04-24 11.19
JVDR7 MSD	1.8989	0.041		1+49.0	2007-04-24 11.19
~~CCV-CN~~	0.0981	0.094			2007-04-24 11.21
CCB-CN	-0.0021	0.005			2007-04-24 11.21
~~CCV-CN~~	0.0962	0.092			2007-04-24 11.23
CCB-CN	-0.0018	0.006			2007-04-24 11.23
LCS	0.6798	0.067	1+9.0		2007-04-24 11.24
LCS-S	0.6575	0.065	1+9.0	32.875	2007-04-24 11.24
~~CCV-CN~~	0.1021	0.098			2007-04-24 11.40
CCB-CN	-0.0018	0.006			2007-04-24 11.40
~~0.025~~	~~0.0283~~	~~0.028~~			~~2007-04-24 11.40~~
~~JT7K1~~	0.0114	0.017			2007-04-24 11.40
~~CCV-CN~~	0.1032	0.099			2007-04-24 11.41
CCB-CN	-0.0018	0.006			2007-04-24 11.41
~~CCV-CN~~	0.1050	0.100			2007-04-24 12.01
CCB-CN	-0.0016	0.006			2007-04-24 12.01
0.1	0.0861	0.084			2007-04-24 12.01
~~CCV-CN~~	0.1047	0.100			2007-04-24 12.02
CCB-CN	-0.0018	0.006			2007-04-24 12.02

CCV TV = 0.1

STL-Canton
Konelab 250

Date : 2007-04-25
Time : 16.47

Test: Cyanide
Unit: mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
CCB-CN	-0.0011	0.005			2007-04-25 09.05
CCV-CN	0.0962	0.097			2007-04-25 09.06
CCV-CN	0.0942	0.095			2007-04-25 09.42
CCB-CN	-0.0007	0.005			2007-04-25 09.43
0.1PPM ICV	0.0976	0.099			2007-04-25 09.43
.05 PPM MRL	0.0048	0.010			2007-04-25 09.43
CCV-CN	0.0966	0.098			2007-04-25 09.44
CCB-CN	-0.0014	0.004			2007-04-25 09.44
CCV-CN	0.0920	0.093			2007-04-25 11.28
CCB-CN	-0.0003	0.005			2007-04-25 11.28
BLANK	-0.0010	0.005			2007-04-25 11.28
.025	0.0232	0.028			2007-04-25 11.28
JT33H	-0.0003	0.005			2007-04-25 11.28
JT9GT	0.0036	0.009			2007-04-25 11.28
JVEV0	0.0042	0.010			2007-04-25 11.28
JVHVE	0.0007	0.006			2007-04-25 11.28
CCV-CN	0.0924	0.094			2007-04-25 11.34
CCB-CN	-0.0004	0.005			2007-04-25 11.34
JVAL2	0.0028	0.008			2007-04-25 11.34
JVAL4	0.0009	0.007			2007-04-25 11.34
JVAL6	0.0015	0.007			2007-04-25 11.34
JVAL8	0.0017	0.007			2007-04-25 11.34
JVAMA	-0.0008	0.005			2007-04-25 11.34
JVAMH	0.0040	0.010			2007-04-25 11.34
CCV-CN	0.0935	0.095			2007-04-25 11.39
CCB-CN	-0.0004	0.005			2007-04-25 11.39
JVAML	0.0123	0.017			2007-04-25 11.39
JT7KE	-0.0016	0.004			2007-04-25 11.39
JT7KL	-0.0008	0.005			2007-04-25 11.39
JT7KQ	-0.0000	0.006			2007-04-25 11.39
JT7KV	-0.0002	0.006			2007-04-25 11.39
JT7KH	-0.0007	0.005			2007-04-25 11.39
CCV-CN	0.0906	0.092			2007-04-25 11.41
CCB-CN	-0.0001	0.006			2007-04-25 11.41
LCS	0.6499	0.068	1+9.0		2007-04-25 11.44
JVGOE	1.0021	0.101	1+9.0		2007-04-25 11.44
.1	0.0934	0.095			2007-04-25 11.45
CCV-CN	0.0977	0.099			2007-04-25 11.47
CCB-CN	-0.0004	0.005			2007-04-25 11.47
CCV-CN	0.0930	0.094			2007-04-25 14.38
CCB-CN	0.0006	0.006			2007-04-25 14.38
BLANK A	-0.0000	0.006			2007-04-25 14.38
JT7K4	-0.0003	0.005			2007-04-25 14.38
JT7K6	0.0024	0.008			2007-04-25 14.39
JT7LC	0.0009	0.007			2007-04-25 14.39
JT7LC-MS	0.0383	0.042			2007-04-25 14.39
JT7LC-MSD	0.0379	0.042			2007-04-25 14.39
JT7LM	-0.0000	0.006			2007-04-25 14.39
JT7LQ	-0.0003	0.005			2007-04-25 14.39
JT7LW	0.0011	0.007			2007-04-25 14.39
CCV-CN	0.0934	0.095			2007-04-25 14.44
CCB-CN	-0.0006	0.005			2007-04-25 14.44
JT7L3	-0.0014	0.004			2007-04-25 14.44

STL-Canton
Konelab 250

Date : 2007-04-25
Time : 16.47

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
[redacted]	0.0010	0.007			2007-04-25 14.44
JVAJX	-0.0009	0.005			2007-04-25 14.44
JVAK7	-0.0013	0.005			2007-04-25 14.44
JVAK7 MS	0.0367	0.041			2007-04-25 14.44
JVAK7 MSD	0.0365	0.040			2007-04-25 14.44
JVALC	0.0017	0.007			2007-04-25 14.44
JVALE	-0.0014	0.004			2007-04-25 14.44
JVALG	0.0015	0.007			2007-04-25 14.44
JVALL	-0.0004	0.005			2007-04-25 14.44
[redacted]	0.0930	0.094			2007-04-25 14.49
CCB-CN	-0.0002	0.006			2007-04-25 14.49
JVAMH MS	0.0460	0.049			2007-04-25 14.49
JVAMH MSD	0.0448	0.048			2007-04-25 14.49
JVALN	-0.0009	0.005			2007-04-25 14.49
JVALT	-0.0006	0.005			2007-04-25 14.49
JVCD3	-0.0009	0.005			2007-04-25 14.49
JRD35	0.3250	0.012		1+49.0	2007-04-25 14.49
CCV-CN	0.0906	0.092			2007-04-25 14.51
CCB-CN	-0.0007	0.005			2007-04-25 14.51
LCS A	0.6525	0.068	1+9.0		2007-04-25 14.52
CCV-CN	0.0971	0.098			2007-04-25 14.55
CCB-CN	-0.0001	0.006			2007-04-25 14.55
CCV-CN	0.0956	0.097			2007-04-25 15.15
CCB-CN	0.0001	0.006			2007-04-25 15.15
JT9KN	0.0150	0.020			2007-04-25 15.15
JVALQ	0.0288	0.033			2007-04-25 15.15
CCV-CN	0.0923	0.093			2007-04-25 15.17
CCB-CN	0.0000	0.006			2007-04-25 15.17
CCV-CN	0.0961	0.097			2007-04-25 15.40
CCB-CN	0.0005	0.006			2007-04-25 15.40
JVAMD	0.0132	0.018			2007-04-25 15.40
JVAMF	0.0145	0.020			2007-04-25 15.40
CCV-CN	0.0992	0.100			2007-04-25 15.41
CCB-CN	0.0005	0.006			2007-04-25 15.41
CCV-CN	0.0991	0.100			2007-04-25 16.37
CCB-CN	0.0006	0.006			2007-04-25 16.37
JRD35 X	0.1900	0.009		1+49.0	2007-04-25 16.37
CCV-CN	0.1014	0.102			2007-04-25 16.38
CCB-CN	0.0034	0.009			2007-04-25 16.38

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch 7123283

Date 5/04/2007
Time 16:57:43

Method Code:WA Nitrocellulose as N by 353.2
Analyst:Lisa L. Hernandez

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
JT7J7-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7KE-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7KH-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7KL-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7KQ-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7KV-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7K1-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7K4-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7K6-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7LC-2-AW	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7LM-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7LQ-2-AH	0.22	mg/L	0.50	05/03-05/04/07	.00	N		0.22 B	0.50	1.00
JT7LW-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7L3-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT7L5-2-AH	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JT8T4-2-A6	ND	mg/L	0.50	05/03-05/04/07	.00	N		ND	0.50	1.00
JV7HM-1-AA	ND	mg/L	0.50	05/03-05/04/07	.00			ND	0.50	1.00

Notes:
B Estimated result. Result is less than RL.

Check Standard

Work Order	Exception Code	True Spike	Measured Spike	Percent Recovered	Prep. - Anal.	Control Limits	Dil.
JV7HM-1-AC		2.012	1.94	96.42	05/03-05/04/07	(37-155)	1.00

Notes:

MS - MSD

Work Order	Exception Code	Measured Sample	True Spike	Measured SPIKE	Measured Dup.	Pct. Recovered SPIKE	Pct. Recovered DUP	RPD	Prep. - Anal.	Dil.
JT7LC-1-A4		ND	2.012	1.19	0.83	59.14	41.25	35.64	05/03-05/04/07	1.00

NCM

Notes:

Severn Trent
Sacramento Laboratory

NITROCELLULOSE

(SOP # SAC-WC-0050, Rev.0)

ANALYST ERNANDEZL
CHECKED BY JOR
BATCH NO. 7123283, 7122446

DATE 05/04/07 14:45
DATE 5-5-07

METHOD NO. 353.2
PROJECT NO. 90102, A7D190237, A7D100107

FILE 050407A

	Lab ID	Time	Standard Conc. mg/L	Cup #	Sample Aliquot gram	Sample Aliquot mL	Extract Volume mL	Dilution	Height	$NO_3 + NO_2$ Raw Result	Nitrocellulose			
											Slope = 1.6500E+05			
											Intercept = 1.8679E+02			
											Correlation = 0.999991			
											%Nitrocellulose Assay = 0.111			
1	Cal 0	13:06	0	0					-26.31354	-0.001291				
2	Cal 1	13:08	0.05	102					8280.701	0.049054				
3	Cal 2	13:10	0.2	103					32685.68	0.196963				
4	Cal 3	13:12	0.4	104					66722.9	0.403248				
5	Cal 4	13:14	1	105					165962.3	1.004698				
6	Cal 5	13:16	2	106					329746.7	1.997329	mg/L	ug/g	Recovery	Check
7	Blank	13:18		0				1	80.10104	-0.000647				
8	N02/N03 ICV 1	13:20	1	107				1	165300	1.000684			100.1%	
9	MRL 0.05PPM	13:22	0.05	102				1	8402.911	0.049795			99.6%	
10	NO2 1PPM	13:24	1	108				1	166748.2	1.009461			100.9%	
11	NO3 1PPM	13:26	1	109				1	162069.5	0.981105			98.1%	
12	blank	13:28		0				1	34.43854	-0.000923				
13	Baseline	13:30		0				1	0	-0.001132				
14	MB-A 7123283	13:32		201		100	40	1	2138.407	0.011828	0.043			< RL
15	LCS-A 712328	13:34	2.012	202		100	40	1	88884.88	0.537563	1.94		96.4%	
16	A7D190102-1	13:36		203		100	40	1	3051.153	0.017360	0.063			< RL
17	A7D190102-3	13:38		204		100	40	1	2881.892	0.016334	0.059			< RL
18	A7D190102-5	13:40		205		100	40	1	3813.321	0.021979	0.079			< RL
19	A7D190102-7	13:42		206		100	40	1	3361.23	0.019239	0.069			< RL
20	A7D190102-9	13:44		207		100	40	1	2420.563	0.013538	0.049			< RL
21	A7D190102-11	13:46		208		100	40	1	2803.851	0.015861	0.057			< RL
22	A7D190102-13	13:48		209		100	40	1	3278.59	0.018738	0.068			< RL
23	MRL 0.05PPM	13:50	0.05	102				1	8268.923	0.048983			98.0%	
24	CCV Cal 4	13:52	1	105				1	163499	0.989769			99.0%	
25	Blank	13:54		0				1	9.260818	-0.001076				
26	Baseline	13:56		0				1	0	-0.001132				
27	A7D190102-15	13:58		210		100	40	1	1777.527	0.009641	0.035			< RL
28	A7D190102-17	14:00		211		100	40	1	3432.059	0.019668	0.071			< RL
29	A7D190102-19	14:02		212		100	40	1	2175.19	0.012051	0.043			< RL
S 30	A7D190102-19	14:04	2.012	213		100	40	1	54726.11	0.330541	1.19		59.1%	
D 31	A7D190102-19	14:06	2.012	214		100	40	1	38349.88	0.231291	0.83		41.3%	
32	A7D190102-21	14:08		215		100	40	1	4241.563	0.024574	0.089			< RL
33	A7D190102-23	14:10		216		100	40	1	10417.8	0.062006	0.22			
34	A7D190102-25	14:12		217		100	40	1	2148.267	0.011888	0.043		#VALUE!	< RL

Nitrocellulose = (NO3 + NO2) * Prep Factor / 0.111

Severn Trent
Sacramento Laboratory

NITROCELLULOSE

(SOP # SAC-WC-0050, Rev.0)

ANALYST ERNANDEZL
CHECKED BY JDR
BATCH NO. 7123283 7122444

DATE 05/04/07 14:45
DATE 5-5-07

METHOD NO. 353.2
PROJECT NO. 90102, A7D190237, A7D100107

FILE 050407A

	Lab ID	Time	Standard Conc. mg/L	Cup #	Sample Aliquot gram	Sample Aliquot mL	Extract Volume mL	Dilution	Height	$NO_3 + NO_2$ Raw Result	Nitrocellulose			
35	A7D190102-27	14:14		218		100	40	1	3786.309	0.021815	0.079		#VALUE!	< RL
36	MRL 0.05PPM	14:16	0.05	102				1	8276.482	0.049028			98.1%	
37	CCV Cal 4	14:18	1	105				1	165275.5	1.000536			100.1%	
38	Blank	14:20		0				1	41.86382	-0.000878				
39	Baseline	14:22		0				1	0	-0.001132				
40	A7D190102-29	14:24		219		100	40	1	1888.304	0.010312	0.037			< RL
41	A7D190237-4	14:26		220		100	40	1	2343.217	0.013069	0.047			< RL
42	MB-S 7122446	14:28		221	10		40	1	3744.537	0.021562		0.78		< RL
43	LCS-S 712244	14:30	50.3	222	10		40	1	110714.4	0.669863		24.10	47.9%	
44	A7D100107-3	14:32		223	10		40	1	9669.987	0.057474		2.07		
45	MRL 0.05PPM	14:34	0.05	102				1	8363.682	0.049557			99.1%	
46	CCV Cal 4	14:36	1	105				1	164590	0.996381		UI	~~#VALUE!~~	100%
47	Blank	14:38		0				1	54.97736	-0.000799		5/4/07	~~#VALUE!~~	
48	Baseline	14:40		0				1	0	-0.001132				

Nitrocellulose = (NO3 + NO2) * Prep Factor / 0.111

SEVERN TRENT **STL**

LOT RECEIPT CHECKLIST
STL Sacramento

CLIENT STL N. Canton PM KD LOG # 44882

LOT# (QUANTIMS ID) A7D190102 QUOTE# N/A LOCATION W10D

4.23.07 - 0900

	Initials	Date
DATE RECEIVED 4.20.07 TIME RECEIVED 0855	fam	4.20.07

DELIVERED BY ☒ FEDEX ☐ CA OVERNIGHT ☐ CLIENT
☐ AIRBORNE ☐ GOLDENSTATE ☐ DHL
☐ UPS ☐ BAX GLOBAL ☐ GO-GETTERS
☐ STL COURIER ☐ COURIERS ON DEMAND
☐ OTHER

CUSTODY SEAL STATUS ☒ INTACT ☐ BROKEN ☐ N/A

CUSTODY SEAL #(S) N/A

SHIPPPING CONTAINER(S) ☒ STL ☐ CLIENT ☐ N/A

TEMPERTURE RECORD (IN °C) IR 1☐ 3☐ ☒ OTHER 4

COC #(S) N/A 6 8

TEMPERATURE BLANK Observed: -1 Corrected: 1
6 6

SAMPLE TEMPERATURE 5
6

Observed: 1 1 1 Average: 1 Corrected Average: 1

COLLECTOR'S NAME: ☐ Verified from COC ☒ Not on COC

pH MEASURED ☐ YES ☐ ANOMALY ☒ N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW _____ ☐ NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING
WETCHEM ☒ N/A
VOA-ENCORES ☒ N/A

☐ METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL ☒ N/A

☐ COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES ☒ N/A

☒ Clouseau ☒ TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 ☐ N/A

☒ WET ICE ☐ BLUE ICE ☐ GEL PACK ☐ NO COOLING AGENTS USED ☒ PM NOTIFIED

Notes: Did not Rec'd sample containers for A7D190102-29 fam 4.20
Dis not receive bottles for MS/SD → #19
Only 1 AGB for #15. Rec'd all missing containers
4.23.07 fam

*1 Acceptable temperature range for State of Wisconsin samples is ≤4°C.

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

QA-185 5/05 EM, Page 1

SEVERN TRENT **STL**

MULTI COOLER RECEIPT CHECKLIST
STL Sacramento

CLIENT: STL N. Canton LOT# (QUANTIMS ID): A7D190102

	INITIALS	DATE
TEMPERTURE RECORD (IN °C) IR 1☐ 3☐ X4 OTHER_____	[illegible]	4.20.07

COOLER ID n/A
CUSTODY SEAL STATUS ☒ INTACT ☐ BROKEN ☐ N/A
CUSTODY SEAL #(S) n/A
COC #(S) n/A
TEMPERATURE BLANK: OBSERVED: 1 CORRECTED: 1
SAMPLE TEMPERATURE:
OBSERVED: 1 0 1 AVERAGE: 1 CORRECTED: 1
SAMPLES / TESTS (IF NCM REQUIRED):

COOLER ID n/A
CUSTODY SEAL STATUS ☒ INTACT ☐ BROKEN ☐ N/A
CUSTODY SEAL #(S) n/A
COC #(S) n/A
TEMPERATURE BLANK: OBSERVED: 1 CORRECTED: 1
SAMPLE TEMPERATURE:
OBSERVED: 2 2 1 AVERAGE: 2 CORRECTED: 2
SAMPLES / TESTS (IF NCM REQUIRED):

COOLER ID n/A
CUSTODY SEAL STATUS ☒ INTACT ☐ BROKEN ☐ N/A
CUSTODY SEAL #(S) n/A
COC #(S) n/A
TEMPERATURE BLANK: OBSERVED: 1 CORRECTED: 1
SAMPLE TEMPERATURE:
OBSERVED: 1 1 1 AVERAGE: 1 CORRECTED: 1
SAMPLES / TESTS (IF NCM REQUIRED):

LEAVE NO SPACES BLANK. USE "N/A" IF NOT APPLICABLE. INITIAL AND DATE ALL "N/A" ENTRIES.

8330 EXPLOSIVES DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

HPLC

Lot-Sample #...: A7D190102-001 **Work Order #...:** JT7J71AF **Matrix.....:** WG
Date Sampled...: 04/17/07 18:55 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/08/07
Prep Batch #...: 7114356
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	**0.22**	**0.098**	**ug/L**
4-Amino-2,6-dinitrotoluene	**0.21**	**0.098**	**ug/L**
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	**0.12**	**0.098**	**ug/L**
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	**0.038 J**	**0.098**	**ug/L**
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	ND	0.49	ug/L
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	ND	0.098	ug/L
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	**0.66**	**0.098**	**ug/L**
2,4,6-Trinitrotoluene	ND	0.098	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	93	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

HPLC

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 13:30 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/08/07
Prep Batch #...: 7114356
Dilution Factor: 1.03 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	**0.073 J**	**0.10**	**ug/L**
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	**0.098 J**	**0.52**	**ug/L**
3-Nitrotoluene	ND	0.52	ug/L
4-Nitrotoluene	ND	0.52	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	ND	0.67	ug/L
Nitroglycerin	ND	0.67	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	97	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

HPLC

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/08/07
Prep Batch #...: 7114356
Dilution Factor: 1.02 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	**1.1**	**0.10**	**ug/L**
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.51	ug/L
3-Nitrotoluene	ND	0.51	ug/L
4-Nitrotoluene	ND	0.51	ug/L
RDX	**3.4**	**0.10**	**ug/L**
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	ND	0.66	ug/L
Nitroglycerin	ND	0.66	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	97	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

HPLC

Lot-Sample #...: A7D190102-007 **Work Order #...:** JT7KL1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/08/07
Prep Batch #...: 7114356
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.098	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.098	ug/L
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	ND	0.098	ug/L
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	**1.2**	**0.098**	**ug/L**
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	ND	0.49	ug/L
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	**3.8**	**0.098**	**ug/L**
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	ND	0.098	ug/L
2,4,6-Trinitrotoluene	ND	0.098	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	95	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

HPLC

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 09:20 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/08/07
Prep Batch #...: 7114356
Dilution Factor: 1.01 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	**0.091 J**	**0.50**	**ug/L**
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	ND	0.66	ug/L
Nitroglycerin	ND	0.66	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	97	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

HPLC

Lot-Sample #...: A7D190102-011 **Work Order #...:** JT7KV1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 17:10 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 1.03 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.52	ug/L
3-Nitrotoluene	ND	0.52	ug/L
4-Nitrotoluene	ND	0.52	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	ND	0.67	ug/L
Nitroglycerin	ND	0.67	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	94	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

HPLC

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AF **Matrix.....:** WG
Date Sampled...: 04/17/07 17:25 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 0.96 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.096	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.096	ug/L
1,3-Dinitrobenzene	ND	0.096	ug/L
2,4-Dinitrotoluene	ND	0.096	ug/L
2,6-Dinitrotoluene	ND	0.096	ug/L
HMX	ND	0.096	ug/L
Nitrobenzene	ND	0.096	ug/L
2-Nitrotoluene	**0.090 J**	**0.48**	**ug/L**
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.096	ug/L
Tetryl	ND	0.096	ug/L
1,3,5-Trinitrobenzene	ND	0.096	ug/L
2,4,6-Trinitrotoluene	ND	0.096	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

HPLC

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AF **Matrix.....:** WG
Date Sampled...: 04/18/07 11:25 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 1.03 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	**0.095 J**	**0.52**	**ug/L**
3-Nitrotoluene	ND	0.52	ug/L
4-Nitrotoluene	ND	0.52	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	ND	0.67	ug/L
Nitroglycerin	ND	0.67	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

HPLC

Lot-Sample #...: A7D190102-017 **Work Order #...:** JT7K61AF **Matrix.....:** WG
Date Sampled...: 04/18/07 15:30 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 1.07 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.11	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.11	ug/L
1,3-Dinitrobenzene	ND	0.11	ug/L
2,4-Dinitrotoluene	ND	0.11	ug/L
2,6-Dinitrotoluene	ND	0.11	ug/L
HMX	ND	0.11	ug/L
Nitrobenzene	ND	0.11	ug/L
2-Nitrotoluene	**0.098 J**	**0.54**	**ug/L**
3-Nitrotoluene	ND	0.54	ug/L
4-Nitrotoluene	ND	0.54	ug/L
RDX	ND	0.11	ug/L
Tetryl	ND	0.11	ug/L
1,3,5-Trinitrobenzene	ND	0.11	ug/L
2,4,6-Trinitrotoluene	ND	0.11	ug/L
PETN	ND	0.70	ug/L
Nitroglycerin	ND	0.70	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

HPLC

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1AP **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/05/07
Prep Batch #...: 7114356
Dilution Factor: 4.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.50	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.50	ug/L
1,3-Dinitrobenzene	ND	0.50	ug/L
2,4-Dinitrotoluene	ND	0.50	ug/L
2,6-Dinitrotoluene	ND	0.50	ug/L
HMX	**12**	**0.50**	**ug/L**
Nitrobenzene	ND	0.50	ug/L
2-Nitrotoluene	ND	2.5	ug/L
3-Nitrotoluene	ND	2.5	ug/L
4-Nitrotoluene	ND	2.5	ug/L
RDX	**51**	**0.50**	**ug/L**
Tetryl	ND	0.50	ug/L
1,3,5-Trinitrobenzene	ND	0.50	ug/L
2,4,6-Trinitrotoluene	ND	0.50	ug/L
Nitroglycerin	ND	3.2	ug/L
PETN	ND	3.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	101	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

HPLC

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 13:12 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 0.96 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.096	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.096	ug/L
1,3-Dinitrobenzene	ND	0.096	ug/L
2,4-Dinitrotoluene	ND	0.096	ug/L
2,6-Dinitrotoluene	ND	0.096	ug/L
HMX	ND	0.096	ug/L
Nitrobenzene	ND	0.096	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.096	ug/L
Tetryl	ND	0.096	ug/L
1,3,5-Trinitrobenzene	ND	0.096	ug/L
2,4,6-Trinitrotoluene	ND	0.096	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

HPLC

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AF **Matrix.....:** WQ
Date Sampled...: 04/18/07 13:20 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 0.96 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.096	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.096	ug/L
1,3-Dinitrobenzene	ND	0.096	ug/L
2,4-Dinitrotoluene	ND	0.096	ug/L
2,6-Dinitrotoluene	ND	0.096	ug/L
HMX	ND	0.096	ug/L
Nitrobenzene	ND	0.096	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.096	ug/L
Tetryl	ND	0.096	ug/L
1,3,5-Trinitrobenzene	ND	0.096	ug/L
2,4,6-Trinitrotoluene	ND	0.096	ug/L
PETN	**0.43 J**	**0.65**	**ug/L**
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

HPLC

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AF **Matrix.....:** WG
Date Sampled...: 04/18/07 12:30 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 0.97 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.097	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.097	ug/L
1,3-Dinitrobenzene	ND	0.097	ug/L
2,4-Dinitrotoluene	ND	0.097	ug/L
2,6-Dinitrotoluene	ND	0.097	ug/L
HMX	ND	0.097	ug/L
Nitrobenzene	ND	0.097	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.097	ug/L
Tetryl	ND	0.097	ug/L
1,3,5-Trinitrobenzene	ND	0.097	ug/L
2,4,6-Trinitrotoluene	ND	0.097	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	92	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

HPLC

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AF **Matrix.....:** WG
Date Sampled...: 04/18/07 14:45 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.098	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.098	ug/L
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	ND	0.098	ug/L
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	ND	0.098	ug/L
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	ND	0.49	ug/L
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	ND	0.098	ug/L
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	ND	0.098	ug/L
2,4,6-Trinitrotoluene	ND	0.098	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	95	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

HPLC

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AF **Matrix.....:** WG
Date Sampled...: 04/18/07 15:27 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 05/09/07
Prep Batch #...: 7114356
Dilution Factor: 1.05 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	**7.0 D**	**0.10**	**ug/L**
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.52	ug/L
3-Nitrotoluene	ND	0.52	ug/L
4-Nitrotoluene	ND	0.52	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	ND	0.68	ug/L
Nitroglycerin	ND	0.68	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	94	(79 - 116)

NOTE(S):

D Result was obtained from the analysis of a dilution.

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GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Curve: 05242007.B

Inst ID : LC10.I
Batch ID : 05012007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
01-MAY-2007	13:38	KenneyF	CCV_5 PRIMER	A-000001.	0 g	0 mL	1	
01-MAY-2007	14:31	KenneyF	CCV_5 PRIMER	A-000002.	0 g	0 mL	1	
01-MAY-2007	16:36	KenneyF	Blank	A-000003.	1000 mL	20 mL	1	
01-MAY-2007	17:30	KenneyF	CCV_5 E070314F 100/200/100/100	A-000004.	0 g	0 mL	1	
01-MAY-2007	18:23	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000005.	0 g	0 mL	1	
01-MAY-2007	19:15	KenneyF	JT4MW1AF 7113470 A7D180106-7 5	A-000006.	1037 mL	20 mL	5	
01-MAY-2007	20:08	KenneyF	JVG7J1AAB 7113533 G7D230000-MB	A-000007.	2 g	40 mL	1	
01-MAY-2007	21:01	KenneyF	JVG7J1ACC 7113533 G7D230000-LC	A-000008.	2 g	40 mL	1	
01-MAY-2007	21:55	KenneyF	JT6MX1AD 7113533 G7D180325-1	A-000009.	1.99 g	40 mL	1	
01-MAY-2007	22:48	KenneyF	JT6MX1A1S 7113533 G7D180325-1M	A-000010.	2.01 g	40 mL	1	
01-MAY-2007	23:41	KenneyF	JT6MX1A2D 7113533 G7D180325-1M	A-000011.	1.99 g	40 mL	1	
02-MAY-2007	00:34	KenneyF	JT6M41AD 7113533 G7D180325-2	A-000012.	2.02 g	40 mL	1	
02-MAY-2007	01:27	KenneyF	JT6M81AD 7113533 G7D180325-3	A-000013.	1.99 g	40 mL	1	
02-MAY-2007	02:20	KenneyF	CCV_6 E070314I200/500/200/200n	A-000014.	0 g	0 mL	1	
02-MAY-2007	03:13	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000015.	0 g	0 mL	1	
02-MAY-2007	04:06	KenneyF	JT6NA1AD 7113533 G7D180325-4	A-000016.	2.03 g	40 mL	1	
02-MAY-2007	04:59	KenneyF	JT6NC1AD 7113533 G7D180325-5	A-000017.	2.04 g	40 mL	1	
02-MAY-2007	05:52	KenneyF	JT6NH1AD 7113533 G7D180325-6	A-000018.	2.02 g	40 mL	1	
02-MAY-2007	06:45	KenneyF	JT6NJ1AD 7113533 G7D180325-7	A-000019.	1.98 g	40 mL	1	
02-MAY-2007	07:38	KenneyF	JT6NK1AD 7113533 G7D180325-8	A-000020.	2 g	40 mL	1	
02-MAY-2007	08:31	KenneyF	JT6NL1AD 7113533 G7D180325-9	A-000021.	2.03 g	40 mL	1	
02-MAY-2007	09:24	KenneyF	JT6NR1AD 7113533 G7D180325-11	A-000022.	2 g	40 mL	1	
02-MAY-2007	10:17	KenneyF	JT6NW1AD 7113533 G7D180325-12	A-000023.	2.01 g	40 mL	1	
02-MAY-2007	11:10	KenneyF	CCV_5 E070314F 100/200/100/100	A-000024.	0 g	0 mL	1	
02-MAY-2007	12:03	KenneyF	JVG841AAB 7113541 G7D230000-MB	A-000025.	2 g	40 mL	1	
02-MAY-2007	12:56	KenneyF	JVG841ACC 7113541 G7D230000-LC	A-000026.	2 g	40 mL	1	
02-MAY-2007	13:49	KenneyF	JT6N01AD 7113541 G7D180325-13	A-000027.	1.98 g	40 mL	1	
02-MAY-2007	14:42	KenneyF	JT6NS1AD 7113541 G7D180325-14	A-000028.	2 g	40 mL	1	
02-MAY-2007	15:35	KenneyF	JT6N71AD 7113541 G7D180325-15	A-000029.	2.03 g	40 mL	1	
02-MAY-2007	16:28	KenneyF	JT6PA1AD 7113541 G7D180325-16	A-000030.	2.01 g	40 mL	1	
02-MAY-2007	17:21	KenneyF	JT6PE1AD 7113541 G7D180325-17	A-000031.	1.98 g	40 mL	1	
02-MAY-2007	18:14	KenneyF	JT6PG1AD 7113541 G7D180325-18	A-000032.	2.04 g	40 mL	1	
02-MAY-2007	19:07	KenneyF	CCV_5 E070314F 100/200/100/100	A-000033.	0 g	0 mL	1	
02-MAY-2007	20:00	KenneyF	JVJT31AAB 7114356 G7D240000-MB	A-000034.	1000 mL	20 mL	1	
02-MAY-2007	20:53	KenneyF	JVJT31ACC 7114356 G7D240000-LC	A-000035.	1000 mL	20 mL	1	
02-MAY-2007	21:46	KenneyF	JT8T41A5 7114356 A7D190237-4	A-000036.	1019 mL	20 mL	1	
02-MAY-2007	22:39	KenneyF	JT7LC1AP 7114356 A7D190102-19	A-000037.	1001 mL	20 mL	1	
02-MAY-2007	23:32	KenneyF	JT7LC1AQS 7114356 A7D190102-19	A-000038.	1004 mL	20 mL	1	
03-MAY-2007	00:25	KenneyF	JT7LC1ARD 7114356 A7D190102-19	A-000039.	1005 mL	20 mL	1	
03-MAY-2007	01:18	KenneyF	CCV_5 E070314F 100/200/100/100	A-000040.	0 g	0 mL	1	
03-MAY-2007	02:11	KenneyF	JT6PM1AD 7113541 G7D180325-19	A-000041.	1.98 g	40 mL	1	
03-MAY-2007	03:04	KenneyF	JT6PP1AD 7113541 G7D180325-20	A-000042.	2 g	40 mL	1	
03-MAY-2007	03:57	KenneyF	JT6P11AD 7113541 G7D180325-21	A-000043.	2.04 g	40 mL	1	
03-MAY-2007	04:50	KenneyF	JT6P41AD 7113541 G7D180325-22	A-000044.	2.01 g	40 mL	1	
03-MAY-2007	05:43	KenneyF	JT6QA1AD 7113541 G7D180325-23	A-000045.	2.02 g	40 mL	1	
03-MAY-2007	06:36	KenneyF	JT6QE1AD 7113541 G7D180325-24	A-000046.	2 g	40 mL	1	
03-MAY-2007	07:29	KenneyF	JT6QE1AXS 7113541 G7D180325-24	A-000047.	2.03 g	40 mL	1	
03-MAY-2007	08:22	KenneyF	JT6QE1A0D 7113541 G7D180325-24	A-000048.	2.01 g	40 mL	1	
03-MAY-2007	09:15	KenneyF	CCV_5 E070314F 100/200/100/100	A-000049.	0 g	0 mL	1	

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A-000034.D

Chromatography Summary

Method 8330 Target Analyte Results

Injection Date: 5/2/2007 20:00 **Operator:** KenneyP

DataFile: LC10.I\05012007.B\A-000034.D **Vial Num:** 79

Instrument ID: LC10

Sample : **JVJT31AAB 7114356 G7D240000-MB**

Method File: LC10.I\05012007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	20 mL	1000 mL	0 g

Matrix: WATER **SubList:** EXPW.sub **SpikeList:**

Samp. Info: JVJT31AAB 7114356 G7D240000-MB;0

Misc. Info: ; ;1000: ;20;1;EXPW.sub; ; ;1

	Signal 1 UV 250-265					Signal 2 UV 358-205							
Compound Name	RT	Diff	Response	Conc (ug/L)	Flag	RT	Diff	Response	Conc (ug/L)	Flag	MDL	RL	Flag
3,4-Dinitrotoluene	18.48	0.019	5646	2.4700<		18.49	0.033	11296	2.5160		0.0000	0.00	
HMX											0.0000	0.10	
RDX											0.0000	0.10	
Picric ACID											0.0003	0.65	
1,3,5-Trinitrobenzene	10.21	-0.184	202	0.0276<							0.0000	0.10	45
1,3-Dinitrobenzene											0.0001	0.10	
TETRYL											0.0001	0.10	
Nitrobenzene	15.35	-0.174	92	0.0287<							0.0001	0.10	45
2,4,6-Trinitrotoluene	16.86	-0.137	26	0.0061<							0.0001	0.10	45
4-AM-2,6-DNT											0.0001	0.10	
2-AM-4,6-DNT											0.0001	0.20	
2,6-Dinitrotoluene	20.83	-0.081	83	0.0321<							0.0001	0.10	45
2,4-Dinitrotoluene											0.0001	0.10	
2-Nitrotoluene	25.51	-0.014	144	0.0803<							0.0001	0.50	45
4-Nitrotoluene	27.59	0.143	23	0.0109<							0.0001	0.50	45
3-Nitrotoluene											0.0001	0.50	
Nitroglycerin											0.0003	0.65	
PETN						31.57	0.163	396	0.2176<		0.0003	0.65	45

Surrogates:	Spiked	Recovered	%Rec		Spiked	Recovered	%Rec	Limits
3,4-Dinitrotoluene	2.5000	2.4700	99		2.5000	2.5160	101	(84-125)

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

Printed: 5/3/2007 9:35 AM

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A-000035.D

Chromatography Summary

Injection Date: 5/2/2007 20:53 **Operator:** KenneyF

DataFile: LC10.I\05012007.B\A-000035.D **Vial Num:** 80

Instrument ID: LC10

Method 8330 Target Analyte Results

Sample : JVJT31ACC 7114356 G7D240000-LCS **Method File:** LC10.I\05012007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	20 mL	1000 mL	0 g

Matrix: WATER **SubList:** EXPW.sub **SpikeList:** WAT.spk

Samp. Info: JVJT31ACC 7114356 G7D240000-LCS;3

Misc. Info: LCS; ;1000; ;20;1;EXPW.sub;WAT.spk;1;1

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	RT	Response	Conc (ug/L)	Spike Level	%R	Result	Flag	RT	Response	Conc (ug/L)	Spike Level	%R	Result	Flag	Limits(%)	Flag
3,4-Dinitrotoluene	18.47	5611	2.4550<	2.5	98%	Acceptable		18.47	11009	2.4520	2.5	98%	Acceptable		(84-125)	
HMX	5.27	6571	1.0120<	1	101%	Acceptable					1	0%	Fails		(83-119)	45
RDX	7.90	4291	1.1220<	1	112%	Acceptable					1	0%	Fails		(87-121)	45
Picric ACID				5	0%	Fails					5	0%	Fails		(52-110)	
1,3,5-Trinitrobenzene	10.40	7652	1.0470<	1	105%	Acceptable					1	0%	Fails		(83-114)	45
1,3-Dinitrobenzene	13.55	7392	1.0450<	1	105%	Acceptable					1	0%	Fails		(89-119)	45
TETRYL	14.67	3906	0.9304<	1	93%	Acceptable					1	0%	Fails		(79-113)	45
Nitrobenzene	15.54	3319	1.0350<	1	104%	Acceptable					1	0%	Fails		(88-119)	45
2,4,6-Trinitrotoluene	16.99	4307	1.0050<	1	101%	Acceptable					1	0%	Fails		(81-120)	45
4-AM-2,6-DNT	17.95	3126	0.9862<	1	99%	Acceptable					1	0%	Fails		(84-116)	45
2-AM-4,6-DNT	19.09	3717	1.0410<	1	104%	Acceptable					1	0%	Fails		(85-117)	45
2,6-Dinitrotoluene	20.90	2635	1.0200<	1	102%	Acceptable					1	0%	Fails		(86-116)	45
2,4-Dinitrotoluene	21.68	4130	1.0170<	1	102%	Acceptable					1	0%	Fails		(85-122)	45
2-Nitrotoluene	25.55	1850	1.0320<	1	103%	Acceptable					1	0%	Fails		(84-114)	45
4-Nitrotoluene	27.44	2064	0.9781<	1	98%	Acceptable					1	0%	Fails		(85-115)	45
3-Nitrotoluene	29.60	1961	0.9434<	1	94%	Acceptable					1	0%	Fails		(85-116)	45
Nitroglycerin				5	0%	Fails		16.15	17647	4.9790<	5	100%	Acceptable		(84-118)	45
PETN				5	0%	Fails		31.43	9177	5.0440<	5	101%	Acceptable		(75-118)	45

Surrogates:	Spiked	Recovered	%Rec	Spiked	Recovered	%Rec	Limits
3,4-Dinitrotoluene	2.5000	2.4550	98	2.5000	2.4520	98	(84-125)

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

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A-000037.D

Chromatography Summary

Injection Date: 5/2/2007 22:39 Operator: KenneyF

DataFile: LC10.I\05012007.B\A-000037.D Vial Num: 82

Instrument ID: LC10

Method 8330 Target Analyte Results

Sample : **JT7LC1AP 7114356 A7D190102-19**

Method File: LC10.I\05012007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 End Cal Date: 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	20 mL	1001 mL	0 g

Matrix: WATER SubList: EXPW.sub SpikeList:

Samp. Info: JT7LC1AP 7114356 A7D190102-19;0

Misc. Info: ; ;1001; ;20;1;EXPW.sub; ; ;1

	Signal 1 UV 250-265					Signal 2 UV 358-205							
Compound Name	RT	Diff	Response	Conc (ug/L)	Flag	RT	Diff	Response	Conc (ug/L)	Flag	MDL	RL	Flag
3,4-Dinitrotoluene	18.48	0.015	5701	2.4920<		18.48	0.025	11396	2.5360		0.0000	0.00	
HMX	5.27	-0.002	73876	11.3700<							0.0000	0.10	45
RDX	7.90	0.005	172890	45.1400<	O						0.0000	0.10	45
Picric ACID											0.0003	0.65	
1,3,5-Trinitrobenzene											0.0000	0.10	
1,3-Dinitrobenzene											0.0001	0.10	
TETRYL	14.86	0.195	29	0.0069<							0.0001	0.10	45
Nitrobenzene											0.0001	0.10	
2,4,6-Trinitrotoluene											0.0001	0.10	
4-AM-2,6-DNT											0.0001	0.10	
2-AM-4,6-DNT											0.0001	0.20	
2,6-Dinitrotoluene	20.77	-0.135	69	0.0267<							0.0001	0.10	45
2,4-Dinitrotoluene											0.0001	0.10	
2-Nitrotoluene	25.51	-0.012	167	0.0930<							0.0001	0.50	45
4-Nitrotoluene											0.0001	0.50	
3-Nitrotoluene											0.0001	0.50	
Nitroglycerin											0.0003	0.65	
PETN						31.55	0.145	239	0.1312<		0.0003	0.65	45

See 5th dot
4/26/07

Surrogates:	Spiked	Recovered	%Rec	Spiked	Recovered	%Rec	Limits
3,4-Dinitrotoluene	2.4975	2.4920	100	2.4975	2.5360	102	(84-125)

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

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GC/LC INSTRUMENT LOG

Page# 18
Book# 3004

GC/LC SEMI-VOLATILES

Standard ID's

Clrve: 032407.B

Inst ID : LC10.I
Batch ID : 05052007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
05-MAY-2007	18:20	KenneyF	Primer	A-000001.	0 g	0 mL	1	
05-MAY-2007	19:14	KenneyF	Primer	A-000002.	0 g	0 mL	1	
05-MAY-2007	20:07	KenneyF	Blank	A-000003.	1000 mL	20 mL	1	
05-MAY-2007	21:00	KenneyF	CCV_5 E070314F 100/200/100/100	A-000004.	0 g	0 mL	1	
05-MAY-2007	21:53	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000005.	0 g	0 mL	1	
05-MAY-2007	22:46	KenneyF	JT7LC1AP 7114356 A7D190102-19	A-000006.	1001 mL	20 mL	5	
05-MAY-2007	23:39	KenneyF	JT7LC1AQS 7114356 A7D190102-19	A-000007.	1004 mL	20 mL	5	
06-MAY-2007	00:32	KenneyF	JT7LC1ARD 7114356 A7D190102-19	A-000008.	1005 mL	20 mL	5	
06-MAY-2007	01:25	KenneyF	CCV_6 E070314I 200/500/200/200	A-000009.	0 g	0 mL	1	
06-MAY-2007	02:18	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000010.	0 g	0 mL	1	
06-MAY-2007	03:11	KenneyF	MDL CHECKG7D260000-MDL CHK	A-000011.	1000 mL	20 mL	1	
06-MAY-2007	04:04	KenneyF	JVG921AAB 7113559 G7D230000-MB	A-000012.	2 g	40 mL	1	
06-MAY-2007	04:57	KenneyF	JVG921ACC 7113559 G7D230000-LC	A-000013.	2 g	40 mL	1	
06-MAY-2007	05:50	KenneyF	JT6JK1AD 7113559 G7D180307-1	A-000014.	2.01 g	40 mL	1	
06-MAY-2007	06:43	KenneyF	JT6JK1AXS 7113559 G7D180307-1M	A-000015.	2.03 g	40 mL	1	
06-MAY-2007	07:36	KenneyF	JT6JK1A0D 7113559 G7D180307-1M	A-000016.	2.04 g	40 mL	1	
06-MAY-2007	08:29	KenneyF	JT6JP1AD 7113559 G7D180307-2	A-000017.	2.04 g	40 mL	1	
06-MAY-2007	09:23	KenneyF	JT6JR1AD 7113559 G7D180307-3	A-000018.	2.02 g	40 mL	1	
06-MAY-2007	10:16	KenneyF	JT6JT1AD 7113559 G7D180307-4	A-000019.	2.04 g	40 mL	1	
06-MAY-2007	11:09	KenneyF	JT6J01AD 7113559 G7D180307-5	A-000020.	1.99 g	40 mL	1	
06-MAY-2007	12:02	KenneyF	JT6J11AD 7113559 G7D180307-6	A-000021.	1.99 g	40 mL	1	
06-MAY-2007	12:55	KenneyF	CCV_5 E070314F 100/200/100/100	A-000022.	0 g	0 mL	1	
06-MAY-2007	13:48	KenneyF	JT6J21AD 7113559 G7D180307-7	A-000023.	2.03 g	40 mL	1	
06-MAY-2007	14:41	KenneyF	JT6J41AD 7113559 G7D180307-8	A-000024.	1.99 g	40 mL	1	
06-MAY-2007	15:34	KenneyF	JT6J71AD 7113559 G7D180307-9	A-000025.	2.03 g	40 mL	1	
06-MAY-2007	16:27	KenneyF	JT6KC1AD 7113559 G7D180307-10	A-000026.	2.02 g	40 mL	1	
06-MAY-2007	17:20	KenneyF	JT6KD1AD 7113559 G7D180307-11	A-000027.	2.02 g	40 mL	1	
06-MAY-2007	18:13	KenneyF	JT6KE1AD 7113559 G7D180307-12	A-000028.	2.04 g	40 mL	1	
06-MAY-2007	19:06	KenneyF	JT6KF1AD 7113559 G7D180307-13	A-000029.	2.04 g	40 mL	1	
06-MAY-2007	19:59	KenneyF	JT6KG1AD 7113559 G7D180307-14	A-000030.	2.01 g	40 mL	1	
06-MAY-2007	20:52	KenneyF	JT6KH1AD 7113559 G7D180307-15	A-000031.	2.02 g	40 mL	1	
06-MAY-2007	21:45	KenneyF	JT6KJ1AD 7113559 G7D180307-16	A-000032.	2.02 g	40 mL	1	
06-MAY-2007	22:38	KenneyF	CCV_5 E070314F 100/200/100/100	A-000033.	0 g	0 mL	1	
06-MAY-2007	23:31	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000034.	0 g	0 mL	1	
07-MAY-2007	00:24	KenneyF	JT6KK1AD 7113559 G7D180307-17	A-000035.	1.98 g	40 mL	1	
07-MAY-2007	01:17	KenneyF	JT6KL1AD 7113559 G7D180307-18	A-000036.	2.04 g	40 mL	1	
07-MAY-2007	02:10	KenneyF	JT6KM1AD 7113559 G7D180307-19	A-000037.	2.01 g	40 mL	1	
07-MAY-2007	03:04	KenneyF	JT6KP1AD 7113559 G7D180307-20	A-000038.	2.03 g	40 mL	1	
07-MAY-2007	03:57	KenneyF	JVMAF1AAB 7115395 G7D250000-MB	A-000039.	1000 mL	20 mL	1	
07-MAY-2007	04:50	KenneyF	JVMAF1ACC 7115395 G7D250000-LC	A-000040.	1000 mL	20 mL	1	
07-MAY-2007	05:43	KenneyF	JVAJX1AF 7115395 A7D200101-1	A-000041.	1008 mL	20 mL	1	
07-MAY-2007	06:36	KenneyF	JVAJ11AG 7115395 A7D200101-3	A-000042.	1001 mL	20 mL	1	
07-MAY-2007	07:29	KenneyF	JVAJ31AF 7115395 A7D200101-5	A-000043.	924 mL	20 mL	1	
07-MAY-2007	08:22	KenneyF	JVAJ51AG 7115395 A7D200101-7	A-000044.	1019 mL	20 mL	1	
07-MAY-2007	09:15	KenneyF	CCV_5 E070314F 100/200/100/100	A-000045.	0 g	0 mL	1	
07-MAY-2007	10:08	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000046.	0 g	0 mL	1	
07-MAY-2007	11:01	KenneyF	JVAJ71AF 7115395 A7D200101-9	A-000047.	955 mL	20 mL	1	
07-MAY-2007	11:55	KenneyF	JVAJ71AQS 7115395 A7D200101-9M	A-000048.	920 mL	20 mL	1	
07-MAY-2007	12:48	KenneyF	JVAJ71ARD 7115395 A7D200101-9M	A-000049.	945 mL	20 mL	1	

07-MAY-2007	13:41	KenneyF	JVAJ91AG 7115395 A7D200101-11	A-000050.	1017 mL	20 mL	1	
07-MAY-2007	14:34	KenneyF	JVAKC1AP 7115395 A7D200101-13	A-000051.	934 mL	20 mL	1	
07-MAY-2007	15:27	KenneyF	JVAKC1AQS 7115395 A7D200101-13	A-000052.	949 mL	20 mL	1	
07-MAY-2007	16:20	KenneyF	JVAKC1ARD 7115395 A7D200101-13	A-000053.	983 mL	20 mL	1	
07-MAY-2007	17:13	KenneyF	JVAKE1AF 7115395 A7D200101-15	A-000054.	902 mL	20 mL	1	
07-MAY-2007	18:06	KenneyF	JVAKJ1AF 7115395 A7D200101-17	A-000055.	1021 mL	20 mL	1	
07-MAY-2007	18:59	KenneyF	JVAKL1AF 7115395 A7D200101-19	A-000056.	1036 mL	20 mL	1	
07-MAY-2007	19:52	KenneyF	CCV_5 E070314F 100/200/100/100	A-000057.	0 g	0 mL	1	
07-MAY-2007	20:45	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000058.	0 g	0 mL	1	
07-MAY-2007	21:38	KenneyF	JVAKN1AG 7115395 A7D200101-21	A-000059.	1025 mL	20 mL	1	
07-MAY-2007	22:31	KenneyF	JVAKR1AG 7115395 A7D200101-23	A-000060.	996 mL	20 mL	1	
07-MAY-2007	23:24	KenneyF	JVAKW1AG 7115395 A7D200101-25	A-000061.	1002 mL	20 mL	1	
08-MAY-2007	00:18	KenneyF	JVTXG1AAB 7117287 G7D270000-MB	A-000062.	1000 mL	20 mL	1	
08-MAY-2007	01:11	KenneyF	JVTXG1ACC 7117287 G7D270000-LC	A-000063.	1000 mL	20 mL	1	
08-MAY-2007	02:04	KenneyF	JVTLW1ADL 7117235 G7D270000-LC	A-000064.	1000 mL	20 mL	1	
08-MAY-2007	02:57	KenneyF	JVL141AA 7117287 G7D250238-6	A-000065.	999 mL	20 mL	1	
08-MAY-2007	03:50	KenneyF	JVMH91AA 7117235 G7D250291-1	A-000066.	1014 mL	20 mL	1	
08-MAY-2007	04:43	KenneyF	JVPVN1AA 7117235 G7D260281-1	A-000067.	1010 mL	20 mL	1	
08-MAY-2007	05:36	KenneyF	CCV_5 E070314F 100/200/100/100	A-000068.	0 g	0 mL	1	
08-MAY-2007	06:29	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000069.	0 g	0 mL	1	
08-MAY-2007	07:22	KenneyF	JVRNE1AAB 7117169 G7D270000-MB	A-000070.	1000 mL	20 mL	1	
08-MAY-2007	08:15	KenneyF	JVRNE1ACC 7117169 G7D270000-LC	A-000071.	1000 mL	20 mL	1	
08-MAY-2007	09:08	KenneyF	JVKA91AA 7117169 G7D240314-1	A-000072.	1010 mL	20 mL	1	
08-MAY-2007	10:01	KenneyF	JVKCA1AA 7117169 G7D240314-2	A-000073.	1024 mL	20 mL	1	
08-MAY-2007	10:54	KenneyF	JVKCA1ACS 7117169 G7D240314-2M	A-000074.	1020 mL	20 mL	1	
08-MAY-2007	11:47	KenneyF	JVKCA1ADD 7117169 G7D240314-2M	A-000075.	1023 mL	20 mL	1	
08-MAY-2007	12:40	KenneyF	JVKCG1AA 7117169 G7D240314-3	A-000076.	1008 mL	20 mL	1	
08-MAY-2007	13:33	KenneyF	JVKCK1AA 7117169 G7D240314-4	A-000077.	999 mL	20 mL	1	

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A-000006.D

Chromatography Summary

Injection Date: 5/5/2007 22:46 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000006.D **Vial Num:** 35

Method 8330 Target Analyte Results

Instrument ID: LC10

Sample : **JT7LC1AP 7114356 A7D190102-19 5x** **Method File:** LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
5X	20 mL	1001 mL	0 g

Matrix: WATER **SubList:** EXPW.sub **SpikeList:**

Samp. Info: JT7LC1AP 7114356 A7D190102-19 5x;0

Misc. Info: ; ;1001; ;20;1;EXPW.sub; ; ;5

	Signal 1 UV 250-265					Signal 2 UV 358-205							
Compound Name	RT	Diff	Response	Conc (ug/L)	Flag	RT	Diff	Response	Conc (ug/L)	Flag	MDL	RL	Flag
3,4-Dinitrotoluene	18.42	0.132	1155	2.5240<		18.43	0.139	2356	2.6220		0.0000	0.00	
HMX	5.28	0.019	14976	11.5200<							0.0002	0.50	45
RDX	7.93	0.092	39179	51.1500<							0.0002	0.50	45
Picric ACID											0.0015	3.25	
1,3,5-Trinitrobenzene											0.0002	0.50	
1,3-Dinitrobenzene											0.0003	0.50	
TETRYL											0.0003	0.50	
Nitrobenzene	15.37	-0.021	65	0.1012<							0.0003	0.50	45
2,4,6-Trinitrotoluene											0.0003	0.50	
4-AM-2,6-DNT											0.0003	0.50	
2-AM-4,6-DNT											0.0005	1.00	
2,6-Dinitrotoluene	20.78	0.089	40	0.0773<							0.0003	0.50	45
2,4-Dinitrotoluene	21.32	-0.158	28	0.0344<							0.0003	0.50	45
2-Nitrotoluene											0.0004	2.50	
4-Nitrotoluene											0.0004	2.50	
3-Nitrotoluene	29.17	-0.021	38	0.0913<							0.0003	2.50	45
Nitroglycerin											0.0016	3.25	
PETN											0.0015	3.25	

Surrogates:	Spiked	Recovered	%Rec	Spiked	Recovered	%Rec	Limits
3,4-Dinitrotoluene	2.4975	2.5240	101	2.4975	2.6220	105	(84-125)

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

Printed: 5/8/2007 11:32 AM

STL Sacramento

A-000007.D

Chromatography Summary

Injection Date: 5/5/2007 23:39 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000007.D **Vial Num:** 36

Instrument ID: LC10

Method 8330 Target Analyte Results

Sample : **JT7LC1AQS 7114356 A7D190102-19MS 5x**

Method File: LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
5X	20 mL	1004 mL	0 g

Matrix: WATER **SubList:** EXPW.sub **SpikeList:** WAT.spk

Samp. Info: JT7LC1AQS 7114356 A7D190102-19MS 5x;3

Misc. Info: MS; ;1004; ;20;1;EXPW.sub;WAT.spk;1;5

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	RT	Response	Conc (ug/L)	Spike Level	%R	Result	Flag	RT	Response	Conc (ug/L)	Spike Level	%R	Result	Flag	Limits(%)	Flag
3,4-Dinitrotoluene	18.38	1129	2.4600<	2.49004	99%	Acceptable		18.38	2222	2.4650	2.49004	99%	Acceptable		(84-125)	
HMX	**5.27**	**15775**	**12.1000<**	0.996016	**1215%**	**Fails**					0.996016	**0%**	**Fails**		(83-119)	45
RDX	**7.92**	**39161**	**50.9700<**	0.996016	**5117%**	**Fails**					0.996016	**0%**	**Fails**		(87-121)	45
Picric ACID				4.98008	**0%**	**Fails**					4.98008	**0%**	**Fails**		(52-110)	
1,3,5-Trinitrobenzene	10.40	1671	1.1390<	0.996016	114%	Fails					0.996016	0%	Fails		(83-114)	45
1,3-Dinitrobenzene	13.54	1589	1.1180<	0.996016	112%	Acceptable					0.996016	0%	Fails		(89-119)	45
TETRYL	14.61	784	0.9300<	0.996016	93%	Acceptable					0.996016	0%	Fails		(79-113)	45
Nitrobenzene	15.50	626	0.9722<	0.996016	98%	Acceptable					0.996016	0%	Fails		(88-119)	45
2,4,6-Trinitrotoluene	16.92	888	1.0320<	0.996016	104%	Acceptable					0.996016	0%	Fails		(81-120)	45
4-AM-2,6-DNT	17.88	647	1.0160<	0.996016	102%	Acceptable					0.996016	0%	Fails		(84-116)	45
2-AM-4,6-DNT	19.01	781	1.0900<	0.996016	109%	Acceptable					0.996016	0%	Fails		(85-117)	45
2,6-Dinitrotoluene	20.81	547	1.0540<	0.996016	106%	Acceptable					0.996016	0%	Fails		(86-116)	45
2,4-Dinitrotoluene	21.55	856	1.0500<	0.996016	105%	Acceptable					0.996016	0%	Fails		(85-122)	45
2-Nitrotoluene	25.39	350	0.9720<	0.996016	98%	Acceptable					0.996016	0%	Fails		(84-114)	45
4-Nitrotoluene	27.28	386	0.9110<	0.996016	91%	Acceptable					0.996016	0%	Fails		(85-115)	45
3-Nitrotoluene	29.46	357	0.8553<	0.996016	86%	Acceptable					0.996016	0%	Fails		(85-116)	45
Nitroglycerin				4.98008	**0%**	**Fails**		16.07	3566	5.0110<	4.98008	101%	Acceptable		(84-118)	45
PETN				4.98008	**0%**	**Fails**		31.21	1777	4.8640<	4.98008	98%	Acceptable		(75-118)	45

Surrogates:	Spiked	Recovered	%Rec	Spiked	Recovered	%Rec	Limits
3,4-Dinitrotoluene	2.4900	2.4600	99	2.4900	2.4650	99	(84-125)

Notes:
M = Manually Integrated
D = Operator Disabled Result
O = Over Calibration Range
< = Primary Value
4 = Signals Differ by More Than 40%
5 = Signals Differ by More Than 50%

Printed: 5/8/2007 11:33 AM

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A-000008.D

Chromatography Summary

Injection Date: 5/6/2007 0:32 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000008.D **Vial Num:** 37

Instrument ID: LC10

Method 8330 Target Analyte Results

Sample : **JT7LC1ARD 7114356 A7D190102-19MSD 5x**

Method File: LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
5X	20 mL	1005 mL	0 g

Matrix: WATER **SubList:** EXPW.sub **SpikeList:** WAT.spk

Samp. Info: JT7LC1ARD 7114356 A7D190102-19MSD 5x;3

Misc. Info: MSD; ;1005; ;20;1;EXPW.sub;WAT.spk;1;5

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	RT	Response	Conc (ug/L)	Spike Level	%R	Result	Flag	RT	Response	Conc (ug/L)	Spike Level	%R	Result	Flag	Limits(%)	Flag
3,4-Dinitrotoluene	18.41	1141	2.4830<	2.487562	100%	Acceptable		18.40	2293	2.5410	2.487562	102%	Acceptable		(84-125)	
HMX	**5.27**	**16217**	**12.4300<**	0.995025	**1249%**	**Fails**					0.995025	**0%**	**Fails**		**(83-119)**	**45**
RDX	**7.92**	**41053**	**53.3800<**	0.995025	**5365%**	**Fails**					0.995025	**0%**	**Fails**		**(87-121)**	**45**
Picric ACID				4.975124	**0%**	**Fails**					4.975124	**0%**	**Fails**		**(52-110)**	
1,3,5-Trinitrobenzene	10.40	1616	1.1000<	0.995025	111%	Acceptable					0.995025	**0%**	**Fails**		**(83-114)**	**45**
1,3-Dinitrobenzene	13.54	1565	1.1000<	0.995025	111%	Acceptable					0.995025	**0%**	**Fails**		**(89-119)**	**45**
TETRYL	14.61	776	0.9196<	0.995025	92%	Acceptable					0.995025	**0%**	**Fails**		**(79-113)**	**45**
Nitrobenzene	15.50	661	1.0260<	0.995025	103%	Acceptable					0.995025	**0%**	**Fails**		**(88-119)**	**45**
2,4,6-Trinitrotoluene	16.94	864	1.0030<	0.995025	101%	Acceptable					0.995025	**0%**	**Fails**		**(81-120)**	**45**
4-AM-2,6-DNT	17.88	649	1.0190<	0.995025	102%	Acceptable					0.995025	**0%**	**Fails**		**(84-116)**	**45**
2-AM-4,6-DNT	19.03	759	1.0580<	0.995025	106%	Acceptable					0.995025	**0%**	**Fails**		**(85-117)**	**45**
2,6-Dinitrotoluene	20.80	540	1.0400<	0.995025	105%	Acceptable					0.995025	**0%**	**Fails**		**(86-116)**	**45**
2,4-Dinitrotoluene	21.57	842	1.0320<	0.995025	104%	Acceptable					0.995025	**0%**	**Fails**		**(85-122)**	**45**
2-Nitrotoluene	25.45	347	0.9627<	0.995025	97%	Acceptable					0.995025	**0%**	**Fails**		**(84-114)**	**45**
4-Nitrotoluene	27.30	396	0.9337<	0.995025	94%	Acceptable					0.995025	**0%**	**Fails**		**(85-115)**	**45**
3-Nitrotoluene	29.46	364	0.8712<	0.995025	88%	Acceptable					0.995025	**0%**	**Fails**		**(85-116)**	**45**
Nitroglycerin				4.975124	**0%**	**Fails**		16.09	3613	5.0720<	4.975124	102%	Acceptable		**(84-118)**	**45**
PETN				4.975124	**0%**	**Fails**		31.21	1858	5.0800<	4.975124	102%	Acceptable		**(75-118)**	**45**

Surrogates:	Spiked	Recovered	%Rec	Spiked	Recovered	%Rec	Limits
3,4-Dinitrotoluene	2.4876	2.4830	100	2.4876	2.5410	102	(84-125)

Notes:
M = Manually Integrated
D = Operator Disabled Result
O = Over Calibration Range
< = Primary Value
4 = Signals Differ by More Than 40%
5 = Signals Differ by More Than 50%

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A-000010.D

Chromatography Summary

Injection Date: 5/6/2007 2:18 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000010.D **Vial Num:** 5

Method 8330 Target Analyte Results

Instrument ID: LC10

Sample: CCV_1 E070314B 5/0/0/0ng/mL

Method File: LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	0 mL	0 mL	0 g

Matrix: NONE **SubList:** EXPW.sub **SpikeList:**

Samp. Info: CCV_1 E070314B 5/0/0/0ng/mL;2

Misc. Info: ;1; ; ; ;3;EXPW.sub; ;0;1

	Signal 1 UV 250-265							Signal 2 UV 358-205								
Compound Name	RT	Response	PPB	Spike Level	%D	Result	Flag	RT	Response	PPB	Spike Level	%D	Result	Flag	Limits(%)	Flag
3,4-Dinitrotoluene				5	-100%	Fails					5	-100%	Fails		(±15)	
HMX	5.25	604	4.6520<	5	-7%	Acceptable					5	-100%	Fails		(±15)	45
RDX	7.83	252	3.2930<	5	-34%	Fails					5	-100%	Fails		(±15)	45
Picric ACID				10	-100%	Fails					10	-100%	Fails		(±15)	
1,3,5-Trinitrobenzene	10.35	738	5.0490<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
1,3-Dinitrobenzene	13.46	704	4.9750<	5	-1%	Acceptable					5	-100%	Fails		(±15)	45
TETRYL	14.54	441	5.2520<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
Nitrobenzene	15.41	327	5.0990<	5	2%	Acceptable					5	-100%	Fails		(±15)	45
2,4,6-Trinitrotoluene	16.84	429	5.0060<	5	0%	Acceptable					5	-100%	Fails		(±15)	45
4-AM-2,6-DNT	17.80	326	5.1420<	5	3%	Acceptable					5	-100%	Fails		(±15)	45
2-AM-4,6-DNT	18.95	360	5.0440<	5	1%	Acceptable					5	-100%	Fails		(±15)	45
2,6-Dinitrotoluene	20.72	274	5.3030<	5	6%	Acceptable					5	-100%	Fails		(±15)	45
2,4-Dinitrotoluene	21.47	427	5.2580<	5	5%	Acceptable					5	-100%	Fails		(±15)	45
2-Nitrotoluene	25.32	191	5.3260<	5	7%	Acceptable					5	-100%	Fails		(±15)	45
4-Nitrotoluene	27.18	220	5.2130<	5	4%	Acceptable					5	-100%	Fails		(±15)	45
3-Nitrotoluene	29.34	234	5.6290<	5	13%	Acceptable					5	-100%	Fails		(±15)	45
Nitroglycerin				5	-100%	Fails					5	-100%	Fails		(±15)	
PETN				5	-100%	Fails					5	-100%	Fails		(±15)	

3/28 See RPD check

Spiked

MRL meets criteria ±30% except for RDX

5/8/07

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

Printed: 5/8/2007 11:05 AM

STL Sacramento

A-000011.D

Chromatography Summary

Injection Date: 5/6/2007 3:11 **Operator:** KenneyF

DataFile: LC10.I\05052007.B\A-000011.D **Vial Num:** 96

Method 8330 Target Analyte Results

Instrument ID: LC10

Sample : MDL CHECKG7D260000-MDL CHK **Method File:** LC10.I\05052007.B\8330AB.M

Start Cal Date: 3/24/2007 15:16 **End Cal Date:** 3/24/2007 21:27

Dilution Factor	Extract Volume	Sample Volume	Sample Weight
1X	20 mL	1000 mL	0 g

Matrix: WATER **SubList:** EXPW.sub **SpikeList:**

Samp. Info: MDL CHECKG7D260000-MDL CHK;0

Misc. Info: ; ;1000; ;20;1;EXPW.sub; ; ;1

	Signal 1 UV 250-265					Signal 2 UV 358-205							
Compound Name	RT	Diff	Response	Conc (ug/L)	Flag	RT	Diff	Response	Conc (ug/L)	Flag	MDL	RL	Flag
3,4-Dinitrotoluene											0.0000	0.00	
HMX	5.27	0.018	418	0.0644<							0.0000	0.10	45
RDX	7.88	0.048	200	0.0523<							0.0000	0.10	45
Picric ACID											0.0003	0.65	
1,3,5-Trinitrobenzene	10.35	0.001	590	0.0807<							0.0000	0.10	45
1,3-Dinitrobenzene	13.50	0.047	549	0.0776<							0.0001	0.10	45
TETRYL	14.56	0.021	314	0.0748<							0.0001	0.10	45
Nitrobenzene	15.46	0.054	271	0.0845<							0.0001	0.10	45
2,4,6-Trinitrotoluene	16.93	0.091	342	0.0798<							0.0001	0.10	45
4-AM-2,6-DNT	17.91	0.108	247	0.0779<							0.0001	0.10	45
2-AM-4,6-DNT	18.96	0.011	273	0.0765<							0.0001	0.20	45
2,6-Dinitrotoluene	20.79	0.064	202	0.0782<							0.0001	0.10	45
2,4-Dinitrotoluene	21.59	0.118	302	0.0744<							0.0001	0.10	45
2-Nitrotoluene	25.33	0.007	153	0.0853<							0.0001	0.50	45
4-Nitrotoluene	27.29	0.114	165	0.0782<							0.0001	0.50	45
3-Nitrotoluene	29.45	0.114	152	0.0731<							0.0001	0.50	45
Nitroglycerin						16.08	0.075	834	0.2353<		0.0003	0.65	45
PETN						31.21	0.125	468	0.2572<		0.0003	0.65	45

Surrogates:	Spiked	Recovered	%Rec	Spiked	Recovered	%Rec	Limits
3,4-Dinitrotoluene	2.5000		0	2.5000		0	(84-125)

Notes:
- M = Manually Integrated
- D = Operator Disabled Result
- O = Over Calibration Range
- < = Primary Value
- 4 = Signals Differ by More Than 40%
- 5 = Signals Differ by More Than 50%

Printed: 5/8/2007 11:06 AM

Environmental Quality Mgt., Inc.

Sample ID: FWGWBGmw-009C-0440-GW
Lab ID: A7D190102-005
Sampling Date: 04/18/07 9:08AM
Receipt Date: 04/19/07 6:45AM
Matrix: WATER

Parameter	Result	Units	RL	Prep-Analysis Date	Analyst
Nitroaromatics & Nitramines: Explosives (8330)					
1,3-Dinitrobenzene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.051			
2,4-Dinitrotoluene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.051			
2,6-Dinitrotoluene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.051			
Nitrobenzene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.051			
Nitroglycerin	ND	ug/L	0.66	04/24- 05/08/07	FK
		MDL. 0.33			
1,3,5-Trinitrobenzene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.031			
2,4,6-Trinitrotoluene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.051			
HMX	1.1	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.037			
RDX	3.4	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.037			
Tetryl	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.051			
2-Nitrotoluene	ND	ug/L	0.51	04/24- 05/08/07	FK
		MDL. 0.090			
3-Nitrotoluene	ND	ug/L	0.51	04/24- 05/08/07	FK
		MDL. 0.058			
4-Nitrotoluene	ND	ug/L	0.51	04/24- 05/08/07	FK
		MDL. 0.090			
4-Amino-2,6-dinitrotoluene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.051			
2-Amino-4,6-dinitrotoluene	ND	ug/L	0.10	04/24- 05/08/07	FK
		MDL. 0.10			
PETN	ND	ug/L	0.66	04/24- 05/08/07	FK
		MDL. 0.30			
Organic Compounds by UV/HPLC Dissolved					
Nitroguanidine	ND	ug/L	20	04/24- 04/26/07	FK
		MDL. 9.7			

General Chemistry

Nitrocellulose as N by 353.2 Re-extract

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GC/LC INSTRUMENT LOG

Page# 19
Book# 3004

GC/LC SEMI-VOLATILES

Standard ID's

Curve: 03242007.B

Inst ID : LC10.I
Batch ID : 05052007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
07-MAY-2007	13:41	KenneyF	JVAJ91AG 7115395 A7D200101-11	A-000050.	1017 mL	20 mL	1	
07-MAY-2007	14:34	KenneyF	JVAKC1AP 7115395 A7D200101-13	A-000051.	934 mL	20 mL	1	
07-MAY-2007	15:27	KenneyF	JVAKC1AQS 7115395 A7D200101-13	A-000052.	949 mL	20 mL	1	
07-MAY-2007	16:20	KenneyF	JVAKC1ARD 7115395 A7D200101-13	A-000053.	983 mL	20 mL	1	
07-MAY-2007	17:13	KenneyF	JVAKE1AF 7115395 A7D200101-15	A-000054.	902 mL	20 mL	1	
07-MAY-2007	18:06	KenneyF	JVAKJ1AF 7115395 A7D200101-17	A-000055.	1021 mL	20 mL	1	
07-MAY-2007	18:59	KenneyF	JVAKL1AF 7115395 A7D200101-19	A-000056.	1036 mL	20 mL	1	
07-MAY-2007	19:52	KenneyF	CCV_5 E070314F 100/200/100/100	A-000057.	0 g	0 mL	1	
07-MAY-2007	20:45	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000058.	0 g	0 mL	1	
07-MAY-2007	21:38	KenneyF	JVAKN1AG 7115395 A7D200101-21	A-000059.	1025 mL	20 mL	1	
07-MAY-2007	22:31	KenneyF	JVAKR1AG 7115395 A7D200101-23	A-000060.	996 mL	20 mL	1	
07-MAY-2007	23:24	KenneyF	JVAKW1AG 7115395 A7D200101-25	A-000061.	1002 mL	20 mL	1	
08-MAY-2007	00:18	KenneyF	JVTXG1AAB 7117287 G7D270000-MB	A-000062.	1000 mL	20 mL	1	
08-MAY-2007	01:11	KenneyF	JVTXG1ACC 7117287 G7D270000-LC	A-000063.	1000 mL	20 mL	1	
08-MAY-2007	02:04	KenneyF	JVTLW1ADL 7117235 G7D270000-LC	A-000064.	1000 mL	20 mL	1	
08-MAY-2007	02:57	KenneyF	JVL141AA 7117287 G7D250238-6	A-000065.	999 mL	20 mL	1	
08-MAY-2007	03:50	KenneyF	JVMH91AA 7117235 G7D250291-1	A-000066.	1014 mL	20 mL	1	
08-MAY-2007	04:43	KenneyF	JVPVN1AA 7117235 G7D260281-1	A-000067.	1010 mL	20 mL	1	
08-MAY-2007	05:36	KenneyF	CCV_5 E070314F 100/200/100/100	A-000068.	0 g	0 mL	1	
08-MAY-2007	06:29	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000069.	0 g	0 mL	1	
08-MAY-2007	07:22	KenneyF	JVRNE1AAB 7117169 G7D270000-MB	A-000070.	1000 mL	20 mL	1	
08-MAY-2007	08:15	KenneyF	JVRNE1ACC 7117169 G7D270000-LC	A-000071.	1000 mL	20 mL	1	
08-MAY-2007	09:08	KenneyF	JVKA91AA 7117169 G7D240314-1	A-000072.	1010 mL	20 mL	1	
08-MAY-2007	10:01	KenneyF	JVKCA1AA 7117169 G7D240314-2	A-000073.	1024 mL	20 mL	1	
08-MAY-2007	10:54	KenneyF	JVKCA1ACS 7117169 G7D240314-2M	A-000074.	1020 mL	20 mL	1	
08-MAY-2007	11:47	KenneyF	JVKCA1ADD 7117169 G7D240314-2M	A-000075.	1023 mL	20 mL	1	
08-MAY-2007	12:40	KenneyF	JVKCG1AA 7117169 G7D240314-3	A-000076.	1008 mL	20 mL	1	
08-MAY-2007	13:33	KenneyF	JVKCK1AA 7117169 G7D240314-4	A-000077.	999 mL	20 mL	1	
08-MAY-2007	14:27	KenneyF	JVKCL1AA 7117169 G7D240314-5	A-000078.	1007 mL	20 mL	1	
08-MAY-2007	15:20	KenneyF	JVKCM1AA 7117169 G7D240314-6	A-000079.	1013 mL	20 mL	1	
08-MAY-2007	16:13	KenneyF	CCV_5 E070314F 100/200/100/100	A-000080.	0 g	0 mL	1	
08-MAY-2007	17:06	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000081.	0 g	0 mL	1	
08-MAY-2007	17:59	KenneyF	CCV_3 E070314D 20/50/20/20/20n	A-000082.	0 g	0 mL	1	
08-MAY-2007	18:52	KenneyF	JVJT31ADB 7114356 G7D240000-FB	A-000083.	1000 mL	20 mL	1	
08-MAY-2007	19:45	KenneyF	JT7J71AF 7114356 A8D190102-1	A-000084.	1015 mL	20 mL	1	
08-MAY-2007	20:38	KenneyF	JT7KE1AF 7114356 A8D190102-3	A-000085.	966 mL	20 mL	1	
08-MAY-2007	21:31	KenneyF	JT7KH1AF 7114356 A8D190102-5	A-000086.	977 mL	20 mL	1	
08-MAY-2007	22:25	KenneyF	JT7KL1AF 7114356 A8D190102-7	A-000087.	1019 mL	20 mL	1	
08-MAY-2007	23:18	KenneyF	JT7KQ1AF 7114356 A8D190102-9	A-000088.	984 mL	20 mL	1	
09-MAY-2007	00:11	KenneyF	JT7KV1AF 7114356 A8D190102-11	A-000089.	964 mL	20 mL	1	
09-MAY-2007	01:04	KenneyF	JT7K11AF 7114356 A8D190102-13	A-000090.	1032 mL	20 mL	1	
09-MAY-2007	01:57	KenneyF	JT7K41AF 7114356 A8D190102-15	A-000091.	968 mL	20 mL	1	
09-MAY-2007	02:50	KenneyF	JT7K61AF 7114356 A8D190102-17	A-000092.	935 mL	20 mL	1	
09-MAY-2007	03:43	KenneyF	CCV_5 E070314F 100/200/100/100	A-000093.	0 g	0 mL	1	
09-MAY-2007	04:36	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000094.	0 g	0 mL	1	
09-MAY-2007	05:29	KenneyF	CCV_3 E070314D 20/50/20/20/20n	A-000095.	0 g	0 mL	1	
09-MAY-2007	06:22	KenneyF	JT7LM1AF 7114356 A8D190102-21	A-000096.	1036 mL	20 mL	1	
09-MAY-2007	07:15	KenneyF	JT7LQ1AF 7114356 A8D190102-23	A-000097.	1036 mL	20 mL	1	
09-MAY-2007	08:08	KenneyF	JT7LW1AF 7114356 A8D190102-25	A-000098.	1028 mL	20 mL	1	

STL Sacramento
GC/LC INSTRUMENT LOG

Page# 20
Book# 3004

GC/LC SEMI-VOLATILES

Standard ID's

curve: 03242007.B

Inst ID : LC10.I
Batch ID : 05052007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
09-MAY-2007	09:01	KenneyF	JT7L31AF 7114356 A8D190102-27	A-000099.	1014 mL	20 mL	1	
09-MAY-2007	09:54	KenneyF	JT7L51AF 7114356 A8D190102-29	A-000100.	947 mL	20 mL	1	
09-MAY-2007	10:47	KenneyF	JV4PM1AAB 7122247 G7E020000-MB	A-000101.	1000 mL	20 mL	1	
09-MAY-2007	11:40	KenneyF	JV4PM1ACC 7122247 G7E020000-LC	A-000102.	1000 mL	20 mL	1	
09-MAY-2007	12:33	KenneyF	CCV_5 E070314F 100/200/100/100	A-000103.	0 g	0 mL	1	
09-MAY-2007	13:26	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000104.	0 g	0 mL	1	
09-MAY-2007	14:19	KenneyF	CCV_3 E070314D 20/50/20/20/20n	A-000105.	0 g	0 mL	1	

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 5/02/07
Time: 17:59:32

LEV 1	LEV 2		LEV 1	LEV 2	
Y		Blank	Y		Weights/Volumes
Y		Check	Y		Spike & Surrogate Worksheet
Y		MS/MSD	Y		Vial contains correct volume
			Y		Labels, greenbars, worksheets computer batch: correct & all match
					Anomalies to Extraction Method

	Expanded Deliverable
	COC Completed
Y	Bench Sheet Copied
	Package Submitted to AnalyticalGroup
	Bench Sheet Copied per COC

Extractionist: 002531 Jonathan Reed

Concentrationist: 002531 Jonathan Reed

Reviewer/Date: REEDJ / 5/02/07

****
* *
* QC BATCH: 7114356 *
* *
****

PREP DATE: 4/24/07
COMP DATE: 5/02/07

Nitroaromatics & Nitramines: Explosives (8330)
EXTRACTION, SOLID PHASE

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT	PH'S ADJ1	PH'S ADJ2	SOLVENTS EXTRACTION	VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/24/07	5/03/07	A7D190102-001 7114245 **JT7J7-1-AF**	D	20	A0	WATER	**1015mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-003 7114245 **JT7KE-1-AF**	D	20	A0	WATER	**966mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-005 7114245 **JT7KH-1-AF**	D	20	A0	WATER	**977mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-007 7114245 **JT7KL-1-AF**	D	20	A0	WATER	**1019mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-009 7114245 **JT7KQ-1-AF**	D	20	A0	WATER	**984mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-011 7114245 **JT7KV-1-AF**	D	20	A0	WATER	**964mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/24/07	5/03/07	A7D190102-013 7114245 **JT7K1-1-AF**	D	20	A0	WATER	**1032mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 5/02/07
Time: 17:59:32

QC BATCH: 7114356

PREP DATE: 4/24/07
COMP DATE: 5/02/07

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
4/25/07	5/03/07	A7D190102-015 7114245 **JT7K4-1-AF**	D	20	A0	WATER	**968mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-017 7114245 **JT7K6-1-AF**	D	20	A0	WATER	**935mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-019 7114245 **JT7LC-1-AP**	D	20	A0	WATER	**1001mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-019 7114245 **JT7LC-1-AQS**	D	20	A0	WATER	**1004mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E070313A-20/E070313E-100 E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-019 7114245 **JT7LC-1-ARD**	D	20	A0	WATER	**1005mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E070313A-20/E070313E-100 E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-021 7114245 **JT7LM-1-AF**	D	20	A0	WATER	**1036mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-023 7114245 **JT7LQ-1-AF**	D	20	A0	WATER	**1036mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-025 7114245 **JT7LW-1-AF**	D	20	A0	WATER	**1028mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-027 7114245 **JT7L3-1-AF**	D	20	A0	WATER	**1014mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/25/07	5/03/07	A7D190102-029 7114245 **JT7L5-1-AF**	D	20	A0	WATER	**947mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

HPLC

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AF **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.098	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.098	ug/L
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	ND	0.098	ug/L
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	ND	0.098	ug/L
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	ND	0.49	ug/L
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	ND	0.098	ug/L
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	ND	0.098	ug/L
2,4,6-Trinitrotoluene	ND	0.098	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	95	(79 - 116)

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 5/02/07
Time: 17:59:32

QC BATCH: 7114356

PREP DATE: 4/24/07
COMP DATE: 5/02/07

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
4/25/07	5/03/07	A7D190237-004 7114245 **JT8T4-1-A5**	D	20	A0	WATER	**1019mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/24/07	0/00/00	G7D240000-356 **JVJT3-1-AAB**		20	A0	WATER	**1000mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:															
4/24/07	0/00/00	G7D240000-356 **JVJT3-1-ACC**		20	A0	WATER	**1000mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E070313A-20/E070313E-100 E061223A-50
COMMENTS:															
4/24/07	0/00/00	G7D240000-356 **JVJT3-1-ADB**		20	A0	WATER	**1004mL** 20.00mL	NA	NA	NA	HOAC/ACN	4.5	HOAC/ACN	5.0	E061223A-50
COMMENTS:	FILTER BLANK														

FILTERS:MILLIPORE:R6MN89984 0.1%HOAC IN ACN:RP5-7B
SPE COLUMNS:RESPREP:P2231

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 21

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D190102 **Work Order #...:** JVJT31AA **Matrix.....:** WATER
MB Lot-Sample #: G7D240000-356

Prep Date.....: 04/24/07
Analysis Date..: 05/02/07 **Prep Batch #...:** 7114356
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
HMX	ND	0.10	ug/L	SW846 8330
Nitrobenzene	ND	0.10	ug/L	SW846 8330
2-Nitrotoluene	ND	0.50	ug/L	SW846 8330
3-Nitrotoluene	ND	0.50	ug/L	SW846 8330
4-Nitrotoluene	ND	0.50	ug/L	SW846 8330
RDX	ND	0.10	ug/L	SW846 8330
Tetryl	ND	0.10	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.10	ug/L	SW846 8330
Nitroglycerin	ND	0.65	ug/L	SW846 8330
PETN	ND	0.65	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D190102 **Work Order #...:** JVJT31AD **Matrix.....:** WATER
MB Lot-Sample #: G7D240000-356

Prep Date.....: 04/24/07
Analysis Date..: 05/08/07 **Prep Batch #...:** 7114356
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
HMX	ND	0.10	ug/L	SW846 8330
Nitrobenzene	ND	0.10	ug/L	SW846 8330
2-Nitrotoluene	ND	0.50	ug/L	SW846 8330
3-Nitrotoluene	ND	0.50	ug/L	SW846 8330
4-Nitrotoluene	ND	0.50	ug/L	SW846 8330
RDX	ND	0.10	ug/L	SW846 8330
Tetryl	ND	0.10	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.10	ug/L	SW846 8330
Nitroglycerin	ND	0.65	ug/L	SW846 8330
PETN	ND	0.65	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	95	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D190102 Work Order #...: JVJT31AC Matrix.....: WATER
LCS Lot-Sample#: G7D240000-356
Prep Date.....: 04/24/07 Analysis Date..: 05/02/07
Prep Batch #...: 7114356
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**104**	**(85 - 117)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**99**	**(84 - 116)**	**SW846 8330**
1,3-Dinitrobenzene	**104**	**(89 - 119)**	**SW846 8330**
2,4-Dinitrotoluene	**102**	**(85 - 122)**	**SW846 8330**
2,6-Dinitrotoluene	**102**	**(86 - 116)**	**SW846 8330**
HMX	**101**	**(83 - 119)**	**SW846 8330**
Nitrobenzene	**104**	**(88 - 119)**	**SW846 8330**
2-Nitrotoluene	**103**	**(84 - 114)**	**SW846 8330**
3-Nitrotoluene	**94**	**(85 - 116)**	**SW846 8330**
4-Nitrotoluene	**98**	**(85 - 115)**	**SW846 8330**
RDX	**112**	**(87 - 121)**	**SW846 8330**
Tetryl	**93**	**(79 - 113)**	**SW846 8330**
1,3,5-Trinitrobenzene	**105**	**(83 - 114)**	**SW846 8330**
2,4,6-Trinitrotoluene	**100**	**(81 - 120)**	**SW846 8330**
Nitroglycerin	**100**	**(84 - 118)**	**SW846 8330**
PETN	**101**	**(75 - 118)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7114356 **Analysis Method :** 8330 **Analysis Date :** 05/05/2007

Preparation Batch : 7114356 **Preparation Type :** 3535 **Preparation Date :** 04/24/2007

Lab Reporting Batch : A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGWBGmw-006C-043	A7D190102019S	AQ	RDX	0.0		0.00	40.00	140.00	20.00
FWGWBGmw-006C-043	A7D190102019D		RDX	224		0.00	40.00	140.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGWBGmw-006C-0438-GW	A7D190102019

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: ***030240.0005 - Ravenna GW***

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D190102 Work Order #...: JT7LC1AQ-MS Matrix.....: WG
MS Lot-Sample #: A7D190102-019 JT7LC1AR-MSD
Date Sampled...: 04/18/07 09:55 Date Received..: 04/19/07
Prep Date.....: 04/24/07 Analysis Date..: 05/05/07
Prep Batch #...: 7114356
Dilution Factor: 4.98

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	109	(85 - 117)			SW846 8330
	106	(85 - 117)	3.0	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	102	(84 - 116)			SW846 8330
	102	(84 - 116)	0.29	(0-24)	SW846 8330
1,3-Dinitrobenzene	112	(89 - 119)			SW846 8330
	111	(89 - 119)	1.6	(0-24)	SW846 8330
2,4-Dinitrotoluene	105	(85 - 122)			SW846 8330
	104	(85 - 122)	1.7	(0-24)	SW846 8330
2,6-Dinitrotoluene	98	(86 - 116)			SW846 8330
	97	(86 - 116)	1.3	(0-24)	SW846 8330
HMX	58 a	(83 - 119)			SW846 8330
	91	(83 - 119)	2.7	(0-24)	SW846 8330
Nitrobenzene	87 a	(88 - 119)			SW846 8330
	93	(88 - 119)	5.4	(0-25)	SW846 8330
2-Nitrotoluene	98	(84 - 114)			SW846 8330
	97	(84 - 114)	0.96	(0-24)	SW846 8330
3-Nitrotoluene	77 a	(85 - 116)			SW846 8330
	78 a	(85 - 116)	1.8	(0-24)	SW846 8330
4-Nitrotoluene	91	(85 - 115)			SW846 8330
	94	(85 - 115)	2.5	(0-24)	SW846 8330
RDX	0.0 a	(87 - 121)			SW846 8330
	224 a	(87 - 121)	0.0	(0-23)	SW846 8330
Tetryl	93	(79 - 113)			SW846 8330
	92	(79 - 113)	1.1	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	114	(83 - 114)			SW846 8330
	111	(83 - 114)	3.5	(0-24)	SW846 8330
2,4,6-Trinitrotoluene	104	(81 - 120)			SW846 8330
	101	(81 - 120)	2.8	(0-26)	SW846 8330
Nitroglycerin	101	(84 - 118)			SW846 8330
	102	(84 - 118)	1.2	(0-18)	SW846 8330
PETN	98	(75 - 118)			SW846 8330
	102	(75 - 118)	4.3	(0-15)	SW846 8330

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D190102 **Work Order #...:** JT7LC1AQ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D190102-019 JT7LC1AR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)
	100	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a - Spiked analyte recovery is outside stated control limits.

8330MOD NITROGUANIDINE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-059C-0422-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-001 **Work Order #...:** JT7J71AJ **Matrix.....:** WG
Date Sampled...: 04/17/07 18:55 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-012C-0410-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-003 **Work Order #...:** JT7KE1AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 13:30 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-009C-0440-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-005 **Work Order #...:** JT7KH1AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 09:08 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-DUP3-0451-GW

Dissolved HPLC

Lot-Sample #...:	A7D190102-007	**Work Order #...:**	JT7KL1AJ	**Matrix.....:**	WG
Date Sampled...:	04/18/07 09:08	**Date Received..:**	04/19/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114234				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-007C-0439-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-009 **Work Order #...:** JT7KQ1AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 09:20 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-006C-0407-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-011 **Work Order #...:** JT7KV1AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 17:10 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-006C-0435-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-013 **Work Order #...:** JT7K11AJ **Matrix.....:** WG
Date Sampled...: 04/17/07 17:25 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-020C-0417-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-015 **Work Order #...:** JT7K41AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 11:25 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-013C-0411-GW

Dissolved HPLC

Lot-Sample #...:	A7D190102-017	**Work Order #...:**	JT7K61AJ	**Matrix.....:**	WG
Date Sampled...:	04/18/07 15:30	**Date Received..:**	04/19/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114234				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGWBGmw-006C-0438-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-019 **Work Order #...:** JT7LC1A1 **Matrix.....:** WG
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-018C-0415-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-021 **Work Order #...:** JT7LM1AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 13:12 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse3-0458-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-023 **Work Order #...:** JT7LQ1AJ **Matrix.....:** WQ
Date Sampled...: 04/18/07 13:20 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-019C-0416-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-025 **Work Order #...:** JT7LW1AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 12:30 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-005C-0406-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-027 **Work Order #...:** JT7L31AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 14:45 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGBKGmw-016C-0413-GW

Dissolved HPLC

Lot-Sample #...: A7D190102-029 **Work Order #...:** JT7L51AJ **Matrix.....:** WG
Date Sampled...: 04/18/07 15:27 **Date Received..:** 04/19/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

****

Varian Star Workstation - RecalcList Thu Apr 26 14:38:39 2007

RecalcList: C:\Star\Sample list\NQ-04.25.2007.RCL

Created: Wed Apr 25 14:19:56 2007
Modified: Thu Apr 26 14:28:57 2007

PDA-1 NA Analysis 25 April 2007

****

SAC-CC-0010

Line	Sample Type	Sample Name	Data F
1	Verification	Primer	nq-4-25-2007=14;32;41-primer.
2	Verification	Primer	nq-4-25-2007=14;53;20-primer.
3	Verification	Primer	nq-4-25-2007=15;13;59-primer.
4	Verification	Primer	nq-4-25-2007=15;34;38-primer.
5	Verification	Primer	nq-4-25-2007=15;55;18-primer.
6	Verification	Primer	nq-4-25-2007=16;16;01-primer.
7	Analysis	Water blank	nq-4-25-2007=16;36;43-water blank.
8	Verification	E061101E L4 CCV	nq-4-25-2007=16;57;25-e061101e 14 ccv.
9	Verification	E061101B L1 CCV	nq-4-25-2007=17;18;06-e061101b 11 ccv.
10	Analysis	G7D170000-371-LCS	nq-4-25-2007=17;38;47-g7d170000-371-lcs.
11	Verification	E061101F L5 CCV	nq-4-25-2007=17;59;27-e061101f 15 ccv.
12	Verification	E061101B L1 CCV	nq-4-25-2007=18;20;08-e061101b 11 ccv.
13	Analysis	G7D240000-194-MB	nq-4-25-2007=18;40;51-g7d240000-194-mb.
14	Analysis	G7D240000-194-LCS	nq-4-25-2007=19;01;31-g7d240000-194-lcs.
15	Analysis	A7D170102-1	nq-4-25-2007=19;22;11-a7d170102-1.
16	Analysis	A7D170102-3	nq-4-25-2007=19;42;51-a7d170102-3.
17	Analysis	A7D170102-5	nq-4-25-2007=20;03;30-a7d170102-5.
18	Analysis	A7D170102-7	nq-4-25-2007=20;24;09-a7d170102-7.
19	Analysis	A7D170102-9	nq-4-25-2007=20;44;48-a7d170102-9.
20	Analysis	A7D170102-11	nq-4-25-2007=21;05;27-a7d170102-11.
21	Analysis	A7D170102-11MS	nq-4-25-2007=21;26;06-a7d170102-11ms.
22	Analysis	A7D170102-11MSD	nq-4-25-2007=21;46;44-a7d170102-11msd.
23	Verification	E061101E L4 CCV	nq-4-25-2007=22;07;26-e061101e 14 ccv.
24	Verification	E061101B L1 CCV	nq-4-25-2007=22;28;07-e061101b 11 ccv.
25	Analysis	A7D170102-13	nq-4-25-2007=22;48;47-a7d170102-13.
26	Analysis	A7D170102-15	nq-4-25-2007=23;09;26-a7d170102-15.
27	Analysis	A7D180106-1	nq-4-25-2007=23;30;05-a7d180106-1.
28	Analysis	A7D180106-3	nq-4-25-2007=23;50;44-a7d180106-3.
29	Analysis	A7D180106-5	nq-4-26-2007=00;11;25-a7d180106-5.
30	Analysis	A7D180106-7	nq-4-26-2007=00;32;03-a7d180106-7.
31	Analysis	A7D180106-9	nq-4-26-2007=00;52;43-a7d180106-9.
32	Analysis	A7D180106-9MS	nq-4-26-2007=01;13;21-a7d180106-9ms.
33	Analysis	A7D180106-9MSD	nq-4-26-2007=01;34;01-a7d180106-9msd.
34	Analysis	A7D180106-11	nq-4-26-2007=01;54;40-a7d180106-11.
35	Verification	E061101E L4 CCV	nq-4-26-2007=02;15;24-e061101e 14 ccv.
36	Verification	E061101B L1 CCV	nq-4-26-2007=02;36;04-e061101b 11 ccv.
37	Analysis	A7D180106-13	nq-4-26-2007=02;56;44-a7d180106-13.
38	Analysis	A7D180106-15	nq-4-26-2007=03;17;23-a7d180106-15.
39	Analysis	A7D180106-17	nq-4-26-2007=03;38;03-a7d180106-17.
40	Analysis	A7D180106-19	nq-4-26-2007=03;58;42-a7d180106-19.
41	Analysis	G7D240000-234-MB	nq-4-26-2007=04;19;22-g7d240000-234-mb.
42	Analysis	G7D240000-234-LCS	nq-4-26-2007=04;40;02-g7d240000-234-lcs.
43	Analysis	A7D180106-21	nq-4-26-2007=05;00;42-a7d180106-21
44	Analysis	A7D180106-23	nq-4-26-2007=05;21;22-a7d180106-23
45	Analysis	A7D180106-25	nq-4-26-2007=05;42;00-a7d180106-25
46	Analysis	A7D180106-27	nq-4-26-2007=06;02;40-a7d180106-27
47	Verification	E061101E L4 CCV	nq-4-26-2007=06;23;22-e061101e 14 ccv
48	Verification	E061101B L1 CCV	nq-4-26-2007=06;44;04-e061101b 11 ccv
49	Analysis	A7D190102-1	nq-4-26-2007=07;04;45-a7d190102-1
50	Analysis	A7D190102-3	nq-4-26-2007=07;25;24-a7d190102-3
51	Analysis	A7D190102-5	nq-4-26-2007=07;46;04-a7d190102-5
52	Analysis	A7D190102-7	nq-4-26-2007=08;06;43-a7d190102-7
53	Analysis	A7D190102-9	nq-4-26-2007=08;27;22-a7d190102-9
54	Analysis	A7D190102-11	nq-4-26-2007=08;48;01-a7d190102-11
55	Analysis	A7D190102-13	nq-4-26-2007=09;08;41-a7d190102-13
56	Analysis	A7D190102-15	nq-4-26-2007=09;29;19-a7d190102-15
57	Analysis	A7D190102-17	nq-4-26-2007=09;50;00-a7d190102-17
58	Analysis	A7D190102-21	nq-4-26-2007=10;10;39-a7d190102-21
59	Verification	E061101E L4 CCV	nq-4-26-2007=10;31;20-e061101e 14 ccv
60	Verification	E061101B L1 CCV	nq-4-26-2007=10;52;00-e061101b 11 ccv
61	Analysis	A7D190102-19	nq-4-26-2007=11;12;42-a7d190102-19
62	Analysis	A7D190102-19MS	nq-4-26-2007=11;33;22-a7d190102-19ms
63	Analysis	A7D190102-19MSD	nq-4-26-2007=11;54;01-a7d190102-19msd
64	Analysis	A7D190102-23	nq-4-26-2007=12;14;42-a7d190102-23
65	Analysis	A7D190102-25	nq-4-26-2007=12;35;23-a7d190102-25
66	Analysis	A7D190102-27	nq-4-26-2007=12;56;03-a7d190102-27
67	Analysis	A7D190102-29	nq-4-26-2007=13;16;44-a7d190102-29
68	Analysis	A7D190237-4	nq-4-26-2007=13;37;24-a7d190237-4

69	Verification	E061101E L4 CCV	nq-4-26-2007=13;58;08-e061101e l4 ccv.
70	Verification	E061101B L1 CCV	nq-4-26-2007=14;18;49-e061101b l1 ccv.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-017	**Work Order #...:**	JT4M81AJ	**Matrix.....:**	WQ
Date Sampled...:	04/17/07 17:40	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D190102 **Work Order #...:** JVH781AA **Matrix.....:** WATER
MB Lot-Sample #: G7D240000-234

Prep Date.....: 04/24/07
Analysis Date..: 04/26/07 **Prep Batch #...:** 7114234
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Nitroguanidine	ND	20	ug/L	SW846 8330 (Modif

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D190102 Work Order #...: JVH781AC Matrix.....: WATER
LCS Lot-Sample#: G7D240000-234
Prep Date.....: 04/24/07 Analysis Date..: 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Nitroguanidine	91	(84 - 123)	SW846 8330 (Modified

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D190102 Work Order #...: JT7LC1A2-MS Matrix.....: WG
MS Lot-Sample #: A7D190102-019 JT7LC1A3-MSD
Date Sampled...: 04/18/07 09:55 Date Received..: 04/19/07
Prep Date.....: 04/24/07 Analysis Date..: 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	**101**	**(84 - 123)**			**SW846 8330 (Modified**
	99	**(84 - 123)**	**1.8**	**(0-15)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D190102
Lab ID: STLCAN
Method/Preparation Batch : 7123283 / 7123283
Analysis Date : 05/04/2007
Client Sample ID : FWGEQUIPRinse3-0458-GW
Preparation Date : 05/03/2007
Lab Sample ID : A7D190102023
Preparation Type : 3535

Analysis Method : 353.2 Modified

Nitrocellulose	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.22	0.50	mg/L	B	

Nitrocellulose contamination found in the equipment blank did not qualify any samples.

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	2.1	5.0	ug/L	B	

Result less than ½ MRL, acceptable per LCG, No Qual tm 6/18

Copper was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-005C-0406-GF	A7D190102028	1	2.8	B	ug/L
FWGBKGmw-006C-0407-GF	A7D190102012	1	2.1	B	ug/L
FWGBKGmw-012C-0410-GF	A7D190102004	1	2.1	B	ug/L
FWGBKGmw-013C-0411-GF	A7D190102018	1	2.2	B	ug/L
FWGBKGmw-016C-0413-GF	A7D190102030	1	2.6	B	ug/L
FWGBKGmw-018C-0415-GF	A7D190102022	1	2.8	B	ug/L
FWGBKGmw-019C-0416-GF	A7D190102026	1	3.3	B	ug/L
FWGBKGmw-020C-0417-GF	A7D190102016	1	2.4	B	ug/L
FWGWBGmw-006C-0438-G	A7D190102020	1	2.2	B	ug/L
FWGWBGmw-007C-0439-G	A7D190102010	1	2.0	B	ug/L
FWGWBGmw-009C-0440-G	A7D190102006	1	2.1	B	ug/L
FWGWBGmw-DUP3-0451-G	A7D190102008	1	2.3	B	ug/L

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	143	1000	ug/L	B J	

NO qual; result less than ½ MRL, acceptable per LCG tm 6/18

Potassium was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-005C-0406-GF	A7D190102028	1	399	B J	ug/L
FWGBKGmw-016C-0413-GF	A7D190102030	1	509	B J	ug/L
FWGWBGmw-009C-0440-G	A7D190102006	1	475	B J	ug/L
FWGWBGmw-DUP3-0451-G	A7D190102008	1	470	B J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	4.9	10.0	ug/L	B J	

NO qual; result less than ½ MRL, acceptable per LCG tm 6/18

QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D190102
Method/Preparation Batch : 7110032 / 7110032
Client Sample ID : FWGEQUIPRinse3-0458-GW
Lab Sample ID : A7D190102023

Lab ID: STLCAN
Analysis Date : 04/25/2007
Preparation Date : 04/20/2007
Preparation Type : 3005A

Analysis Method : 6020

Zinc was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-005C-0406-GF	A7D190102028	1	12.7	J	ug/L
FWGBKGmw-006C-0407-GF	A7D190102012	1	6.0	B J	ug/L
FWGBKGmw-012C-0410-GF	A7D190102004	1	11.7	J	ug/L
FWGBKGmw-013C-0411-GF	A7D190102018	1	7.5	B J	ug/L
FWGBKGmw-016C-0413-GF	A7D190102030	1	6.1	B J	ug/L
FWGBKGmw-018C-0415-GF	A7D190102022	1	6.2	B J	ug/L
FWGBKGmw-019C-0416-GF	A7D190102026	1	6.5	B J	ug/L
FWGBKGmw-020C-0417-GF	A7D190102016	1	10.9	J	ug/L
FWGWBGmw-006C-0438-G	A7D190102020	1	5.1	B J	ug/L
FWGWBGmw-007C-0439-G	A7D190102010	1	6.0	B J	ug/L
FWGWBGmw-009C-0440-G	A7D190102006	1	5.4	B J	ug/L
FWGWBGmw-DUP3-0451-G	A7D190102008	1	4.6	B J	ug/L

2-Butanone	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	5.3	10	ug/L	J	Common Contaminant

2-Butanone was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-018C-0415-G	A7D190102021	1	0.51	J	ug/L

Acetone	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	4.2	10	ug/L	J	Common Contaminant

Result less than V2MRL, acceptable per CLO NO Qual

Acetone was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGTRIP-TEAM1	A7D190102032	1	1.1	J	ug/L
FWGTRIP-TEAM2	A7D190102033	1	1.1	J	ug/L
FWGTRIP-TEAM3	A7D190102034	1	1.2	J	ug/L

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	1.1	2.0	ug/L	J B	Common Contaminant

QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D190102
Lab ID: STLCAN
Method/Preparation Batch : 7115159 / 7115159
Analysis Date : 04/25/2007
Client Sample ID : FWGEQUIPRinse3-0458-GW
Preparation Date : 04/25/2007
Lab Sample ID : A7D190102023
Preparation Type : 5030B

Analysis Method : 8260B

Methylene chloride was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGBKGmw-012C-0410-G	A7D190102003	1	0.26	J B	ug/L
FWGBKGmw-013C-0411-G	A7D190102017	1	0.24	J B	ug/L
FWGTRIP-TEAM1	A7D190102032	1	0.36	J B	ug/L
FWGTRIP-TEAM2	A7D190102033	1	0.31	J B	ug/L
FWGTRIP-TEAM3	A7D190102034	1	0.34	J B	ug/L
FWGWBGmw-007C-0439-G	A7D190102009	1	0.26	J B	ug/L

Toluene	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.53	1.0	ug/L	J	Common Contaminant

Toluene contamination found in the equipment blank did not qualify any samples.

Pentaerythritol Tetranitrate (PETN)	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.43	0.65	ug/L	J	

Pentaerythritol Tetranitrate (PETN) contamination found in the equipment blank did not qualify any samples.

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGBKGmw-005C-0406-	A7D190102028	6010B	AQ	Copper	B	2.8	5.0	ug/L
				Manganese	B	2.2	10.0	ug/L
				Nickel	B	1.5	10.0	ug/L
				Potassium	B J	399	1000	ug/L
		6020		Aluminum	B	4.9	50.0	ug/L
FWGBKGmw-006C-0407-	A7D190102012	6010B		Copper	B	2.1	5.0	ug/L
				Nickel	B	3.8	10.0	ug/L
		6020		Zinc	B J	6.0	10.0	ug/L
FWGBKGmw-012C-0410-	A7D190102004	6010B		Copper	B	2.1	5.0	ug/L
		6020		Aluminum	B	8.1	50.0	ug/L
FWGBKGmw-012C-0410-	A7D190102003	8260B		Benzene	J	0.81	1.0	ug/L
				Methylene chloride	J B	0.26	2.0	ug/L
		8330		2-Nitrotoluene	J	0.098	0.52	ug/L
				HMX	J	0.073	0.10	ug/L
FWGBKGmw-013C-0411-	A7D190102018	6010B		Copper	B	2.2	5.0	ug/L
		6020		Zinc	B J	7.5	10.0	ug/L
FWGBKGmw-013C-0411-	A7D190102017	8260B		Methylene chloride	J B	0.24	2.0	ug/L
		8330		2-Nitrotoluene	J	0.098	0.54	ug/L
FWGBKGmw-016C-0413-	A7D190102030	6010B		Copper	B	2.6	5.0	ug/L
				Manganese	B	5.0	10.0	ug/L
				Nickel	B	2.6	10.0	ug/L
				Potassium	B J	509	1000	ug/L
		6020		Aluminum	B	25.5	50.0	ug/L
				Zinc	B J	6.1	10.0	ug/L
FWGBKGmw-018C-0415-	A7D190102022	6010B		Copper	B	2.8	5.0	ug/L
		6020		Zinc	B J	6.2	10.0	ug/L
FWGBKGmw-018C-0415-	A7D190102021	8081A		Methoxychlor	J	0.016	0.10	ug/L
		8260B		2-Butanone	J	0.51	10	ug/L
FWGBKGmw-019C-0416-	A7D190102026	6010B		Copper	B	3.3	5.0	ug/L
				Nickel	B	4.0	10.0	ug/L
		6020		Zinc	B J	6.5	10.0	ug/L
FWGBKGmw-020C-0417-	A7D190102016	6010B		Copper	B	2.4	5.0	ug/L
				Nickel	B	2.3	10.0	ug/L
FWGBKGmw-020C-0417-	A7D190102015	8081A		beta-BHC	J	0.0081	0.030	ug/L
		8330		2-Nitrotoluene	J	0.095	0.52	ug/L
FWGCBPmw-006C-0435-	A7D190102014	6010B		Copper	B	2.4	5.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGCBPmw-006C-0435-	A7D190102014	6010B	AQ	Nickel	B	3.2	10.0	ug/L
		6020		Aluminum	B	25.2	50.0	ug/L
FWGCBPmw-006C-0435-	A7D190102013	8081A		Methoxychlor	J	0.028	0.10	ug/L
		8330		2-Nitrotoluene	J	0.090	0.48	ug/L
FWGEQUIPRinse3-0458-	A7D190102023	353.2 Modified		Nitrocellulose	B	0.22	0.50	mg/L
		6010B		Copper	B	2.1	5.0	ug/L
				Potassium	B J	143	1000	ug/L
		6020		Zinc	B J	4.9	10.0	ug/L
		8260B		2-Butanone	J	5.3	10	ug/L
				Acetone	J	4.2	10	ug/L
				Methylene chloride	J B	1.1	2.0	ug/L
				Toluene	J	0.53	1.0	ug/L
		8330		Pentaerythritol Tetranitrate (PETN)	J	0.43	0.65	ug/L
FWGLL2mw-059C-0422-G	A7D190102002	6010B		Copper	B	3.1	5.0	ug/L
				Manganese	B	9.5	10.0	ug/L
				Nickel	B	3.7	10.0	ug/L
				Potassium	B J	589	1000	ug/L
		6020		Zinc	B J	6.6	10.0	ug/L
FWGLL2mw-059C-0422-G	A7D190102001	8081A		alpha-Chordane	J	0.027	0.030	ug/L
				beta-BHC	J	0.0094	0.030	ug/L
				Methoxychlor	J	0.025	0.10	ug/L
		8330		HMX	J	0.038	0.098	ug/L
FWGTeam1-TRIP0417	A7D190102031	8260B		Methylene chloride	J B	0.33	2.0	ug/L
FWGTRIP-TEAM1	A7D190102032			Acetone	J	1.1	10	ug/L
				Methylene chloride	J B	0.36	2.0	ug/L
FWGTRIP-TEAM2	A7D190102033			Acetone	J	1.1	10	ug/L
				Methylene chloride	J B	0.31	2.0	ug/L
FWGTRIP-TEAM3	A7D190102034			Acetone	J	1.2	10	ug/L
				Methylene chloride	J B	0.34	2.0	ug/L
FWGWBGmw-006C-0438-	A7D190102020	6010B		Copper	B	2.2	5.0	ug/L
				Potassium	B J	784	1000	ug/L
		6020		Zinc	B J	5.1	10.0	ug/L
FWGWBGmw-006C-0438-	A7D190102019	9012A		Cyanide	B	0.0090	0.010	mg/L
FWGWBGmw-007C-0439-	A7D190102010	6010B		Copper	B	2.0	5.0	ug/L
		6020		Zinc	B J	6.0	10.0	ug/L
FWGWBGmw-007C-0439-	A7D190102009	8260B		Methylene chloride	J B	0.26	2.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGWBGmw-007C-0439-	A7D190102009	8270C	AQ	Benzoic acid	J	8.2	10	ug/L
		8330		2-Nitrotoluene	J	0.091	0.50	ug/L
FWGWBGmw-009C-0440-	A7D190102006	6010B		Barium	B	9.7	10.0	ug/L
				Copper	B	2.1	5.0	ug/L
				Potassium	B J	475	1000	ug/L
		6020		Aluminum	B	2.9	50.0	ug/L
				Zinc	B J	5.4	10.0	ug/L
FWGWBGmw-009C-0440-	A7D190102005	8081A		beta-BHC	J	0.0087	0.030	ug/L
FWGWBGmw-DUP3-0451	A7D190102008	6010B		Barium	B	9.4	10.0	ug/L
				Copper	B	2.3	5.0	ug/L
				Nickel	B	1.8	10.0	ug/L
				Potassium	B J	470	1000	ug/L
		6020		Aluminum	B	3.5	50.0	ug/L
				Zinc	B J	4.6	10.0	ug/L

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGBKGmw-005C-0406-	A7D190102027	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.49	0.20	ug/L
				3-Nitrotoluene	U	0.49	0.20	ug/L
				4-Nitrotoluene	U	0.49	0.20	ug/L
FWGBKGmw-006C-0407-	A7D190102011	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.52	0.21	ug/L
				3-Nitrotoluene	U	0.52	0.21	ug/L
				4-Nitrotoluene	U	0.52	0.21	ug/L
FWGBKGmw-012C-0410-	A7D190102003	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.52	0.21	ug/L
				4-Nitrotoluene	U	0.52	0.21	ug/L
FWGBKGmw-013C-0411-	A7D190102017	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2,4-Dinitrotoluene	U	0.11	0.11	ug/L
				2,6-Dinitrotoluene	U	0.11	0.11	ug/L
				3-Nitrotoluene	U	0.54	0.21	ug/L
				4-Nitrotoluene	U	0.54	0.21	ug/L
FWGBKGmw-016C-0413-	A7D190102029	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGBKGmw-016C-0413-	A7D190102029	8330	AQ	2-Nitrotoluene	U	0.52	0.21	ug/L
				3-Nitrotoluene	U	0.52	0.21	ug/L
				4-Nitrotoluene	U	0.52	0.21	ug/L
FWGBKGmw-018C-0415-	A7D190102021	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGBKGmw-019C-0416-	A7D190102025	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGBKGmw-020C-0417-	A7D190102015	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.52	0.21	ug/L
				4-Nitrotoluene	U	0.52	0.21	ug/L
FWGCBPmw-006C-0435-	A7D190102013	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGEQUIPRinse3-0458-	A7D190102023	6010B	AQ	Calcium	U	1000	100.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGEQUIPRinse3-0458-	A7D190102023	6010B	AQ	Magnesium	U	1000	100.00	ug/L
				Sodium	U	1000	200.00	ug/L
		8081A		Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGLL2mw-059C-0422-G	A7D190102001	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.49	0.20	ug/L
				3-Nitrotoluene	U	0.49	0.20	ug/L
				4-Nitrotoluene	U	0.49	0.20	ug/L
FWGTeam1-TRIP0417	A7D190102031	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTRIP-TEAM1	A7D190102032	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTRIP-TEAM2	A7D190102033	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTRIP-TEAM3	A7D190102034	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGWBGmw-006C-0438-	A7D190102019	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2,4-Dinitrotoluene	U	0.50	0.50	ug/L
				2,6-Dinitrotoluene	U	0.50	0.50	ug/L
				2-Nitrotoluene	U	2.5	1.00	ug/L
				3-Nitrotoluene	U	2.5	1.00	ug/L
				4-Nitrotoluene	U	2.5	1.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D190102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGWBGmw-007C-0439-	A7D190102009	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGWBGmw-009C-0440-	A7D190102005	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.51	0.20	ug/L
				3-Nitrotoluene	U	0.51	0.20	ug/L
				4-Nitrotoluene	U	0.51	0.20	ug/L
FWGWBGmw-DUP3-0451	A7D190102007	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.49	0.20	ug/L
				3-Nitrotoluene	U	0.49	0.20	ug/L
				4-Nitrotoluene	U	0.49	0.20	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Data Validator: Heather Medley/Environmental Quality Management, Inc. (EQM, Inc.)

QA/QC Summary

On April 16 and April 17, 2007 the following samples were collected from groundwater-monitoring wells at Ravenna Army Ammunition Plant and analyzed as part of SDG A7D180106.

Field Sample ID	Analytes	Method
FWGLL2mw-262c-0423-GW	VOCs	SW846 8260B
FWGDETmw-3bR-0444-GW	SVOCs	SW846 8270C
FWGLL2mw-263c-0424-GW	Pesticides	SW846 8081A
FWGLL1mw-083c-0421-GW	PCBs	SW846 8082
FWGEQUIPRinse1-0456-GW	Explosives	SW846 8330
FWGRinse Trip blank	Nitroguanidine	SW846 8330 modified
FWGEQUIPRinse2-0457-GW	Nitrocellulose	EPA 353.2 modified
FWGDA2mw-DET1bR-0437-GW	Cyanide	SW846 9012A
FWGLL11mw-007c-0430-GW		
FWGLL11mw-002c-0429-GW		
FWGLL11mw-DUP5-0455-GW		
FWGTeam3 Trip blank		
FWGDETmw-4bR-0445-GW		
FWG Team2 Trip		
FWGLL4mw-198c-0427-GW		
FWGLL3mw-242c-0426-GW		
FWGCBPmw-007c-0436-GW		
FWG Team1 Trip Blank		
FWGLL2mw-262c-0423-GF	TAL23 Metals	SW846 6010B/6020/7470A
FWGDETmw-3bR-0444-GF		
FWGLL2mw-263c-0424-GF		
FWGLL1mw-083c-0421-GF		
FWGEQUIPRinse1-0456-GW		
FWGEQUIPRinse2-0457-GW		
FWGDA2mw-DET1bR-0437-GF		
FWGLL11mw-007c-0430-GF		
FWGLL11mw-002c-0429-GF		
FWGLL11mw-DUP5-0455-GF		
FWGDETmw-4bR-0445-GF		
FWGLL4mw-198c-0427-GF		
FWGLL3mw-242c-0426-GF		

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Field Sample ID	Analytes	Method
FWGCBPmw-007c-0436-GF	TAL23 Metals	SW846 6010B/6020/7470A

The data presented in this report were evaluated according to the *Final Quality Assurance Project Plan Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant Ravenna, OH, Portage Environmental, September 2004.* The following documents will be used as needed to supplement the project documentation: *Louisville Chemistry Guidelines, USACE, June 2002 version 5*, *EPA National Functional Guidelines (NFG) for Organic Data Review, EPA-540/R-99-008, October 1999, NFG for Inorganic Data Review, EPA-540/R-04-004, October 2004*, Analytical Methods, and Laboratory Standard Operating Procedures. These objectives represent accuracy and precision performance goals for each analytical method.

In addition to the samples, four trip blanks, two equipment rinse samples, and one field duplicate were collected and analyzed. The coolers were received within acceptable criteria of 0-6°C. Overall, data were acceptable based on the review. Any limitations on the data use are indicated by qualifiers. The completeness objective for the project was 90%. The completeness objective was met for this SDG, 96.7%. Limitations, if any, on the data are indicated with qualifiers detailed below.

SUMMARY OF QUALIFICATIONS AND QC OUTLIERS:

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGCBPmw-007c-0436-GF	6010B	Barium	9.9	J	Results were between the MDL and RL.
		Cobalt	2.2	J	
		Nickel	3.8	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	5610	J	
		Zinc	7.2	BJ	B = Result was less than the 5x ER value; J = Result was between the MDL and RL.
FWGCBPmw-007c-0436-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits
		Endosulfan II	0.025	UJ	
	8260B	Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGCBPmw-007c-0436-GW	8260B	Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Acetone	10	R	Closing MRL Checks recovered below 60%
		Chloroethane	1.0	UJ	LCS recovered below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
FWGDA2mw-DET1bR-0437-GF	6010B	Nickel	1.7	J	Result was between the MDL and RL.
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	952	J	
		Zinc	10.4	B	Result was less than the 5x ER value;
FWGDA2mw-DET1bR-0437-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits
		Endosulfan II	0.025	UJ	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGDA2mw-DET1bR-0437-GW	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGDETmw-3bR-0444-GF	6010B	Copper	2.4	J	Result was between the MDL and RL; lab duplicate RPD was above control limits
		Nickel	1.6	J	Result was between the MDL and RL
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	1990	J	
		Zinc	7.8	BJ	B = Result was less than the 5x ER value; J = Result was between the MDL and RL.
FWGDETmw-3bR-0444-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits
		Endosulfan II	0.025	UJ	
		All analytes	Various	UJ	Surrogate recovery was below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGDETmw-3bR-0444-GW	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogate recovery was below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
		2,6-Dinitrotoluene	4.6	J	Result was between the MDL and RL.
	9012A	Cyanide	0.0090 mg/L	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
FWGDETmw-4br-0445-GF	6010B	Copper	2.5	J	Result was between the MDL and RL; lab duplicate RPD was above control limits
		Nickel	1.6	J	Result was between the MDL and RL
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	528	J	
		Zinc	12.1	B	Result was less than the 5x ER value;
FWGDETmw-4br-0445-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits
		Endosulfan II	0.025	UJ	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGDETmw-4br-0445-GW	8081A	All analytes Except Endosulfan I and Endosulfan II	Various	UJ	Surrogate recovery was below control limits
	8082	All aroclors	0.50	UJ	Surrogate recovery was below control limits
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
		1,1-Dichloroethene	0.30	J	Result was between the MDL and RL.
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
		Bis(2-ethylhexyl)phthalate	1.9	J	Results were between the MDL and RL.
	8330	2-Nitrotoluene	0.11	J	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
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Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGEQUIPRinse1-0456-GW	6010B	Potassium	143	J	Result was between the MDL and RL.
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	20	UJ	
		Zinc	5.3	J	Result was between the MDL and RL.
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits
		Endosulfan II	0.025	UJ	
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
		Methylene Chloride	0.21	J	Results were between the MDL and RL.
		Toluene	0.76	J	
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGEQUIPRinse2-0457-GW	6010B	Calcium	95	J	Result was between the MDL and RL.
		Potassium	148	J	
		Copper	1.9	J	Result was between the MDL and RL; lab duplicate RPD was above control limits
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	20	UJ	
		Zinc	5.1	J	Result was between the MDL and RL.
	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits
		Endosulfan II	0.025	UJ	
		All analytes Except Endosulfan I, Endosulfan II and beta-BHC	Various	UJ	Surrogate recovery was below control limits
		Beta-BHC	0.067	J	Surrogate recovery was below control limits; second column confirmation RPD was greater than 40%.
	8082	All aroclors	0.50	UJ	Surrogate recovery was below control limits
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
		Methylene Chloride	0.26	J	Results were between the MDL and RL.
		Toluene	0.64	J	
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGEQUIPRinse2-0457-GW	8270C	2,4-Dichlorophenol	2.0	UJ	Surrogates recovered below control limits
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
FWGLL11mw-002c-0429-GF	6010B	Copper	2.0	J	Result was between the MDL and RL; lab and field duplicate RPDs were above control limits
	6020	Aluminum	20.5	J	Result was between the MDL and RL.
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	402	J	
		Zinc	19.5	B	Result was less than the 5x ER value;
FWGLL11mw-002c-0429-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits
		Endosulfan II	0.025	UJ	
		Beta-BHC	0.21	B	Result was less than the 5x ER value;
		Methoxychlor	0.031	J	Result was between the MDL and RL; Field duplicate RPD was above control limits.
	8082	All aroclors	0.50	UJ	Surrogate recovery was below control limits

Data Verification Summary

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STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL11mw-002c-0429-GW	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
	8270C	Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
FWGLL11mw-007c-0430-GF	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	1560	J	
		Zinc	6.7	BJ	B = Result was less than the 5x ER value; J = Result was between the MDL and RL.
FWGLL11mw-007c-0430-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits
		Endosulfan II	0.025	UJ	
		Methoxychlor	0.038	J	Result was between the MDL and RL
	8082	All aroclors	0.50	UJ	Surrogate recovery was below control limits
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%; MS recovered below control limits.
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; MS recovered below control limits.
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits; MS recovered below control limits.
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
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Date: November 15, 2007
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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL11mw-007c-0430-GW	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%; MS/MSD recovered below control limits; MS/MSD RPD was above control limits.
		Bis(2-ethylhexyl)phthalate	0.90	J	Result was between the MDL and RL.
FWGLL11mw-DUP5-0455-GF	6010B	Nickel	3.4	J	Result was between the MDL and RL; field duplicate RPD was above control limits
	6020	Aluminum	27.3	J	Result was between the MDL and RL.
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	424	J	
		Zinc	19.6	B	Result was less than the 5x ER value;
FWGLL11mw-DUP5-0455-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits

Data Verification Summary

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Date: November 15, 2007
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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL11mw-DUP5-0455-GW	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits
		Endosulfan II	0.025	UJ	
		All analytes Except Endosulfan I, and Endosulfan II	Various	UJ	Surrogate recovery was below control limits
	8082	All aroclors	0.50	UJ	Surrogate recovery was below control limits
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
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Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL1mw-083c-0421-GF	6010B	Copper	2.9	J	Result was between the MDL and RL; lab duplicate RPD was above control limits
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	61.2	J	
		Beryllium	0.19	J	Results were between the MDL and RL
		Cadmium	0.29	J	
		Thallium	0.041	J	
FWGLL1mw-083c-0421-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8330	All except HMX	Various	J/R	Surrogate recovered below 10%.
		HMX	0.18	J	Result was between the MDL and RL; Surrogate recovered below 10%.
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits
		Endosulfan II	0.025	UJ	
		4,4'-DDT	0.024	J	Results were between the MDL and RL
		Alpha-BHC	0.011	J	
		Methoxychlor	0.028	J	
		Beta-BHC	0.17	J	Second column confirmation RPD was greater than 40%.
		Endrin ketone	0.044	J	
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL1mw-083c-0421-GW	8270C	2-Chlorophenol	1.0	UJ	Surrogates recovered below control limits
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
		2,4-Dinitrotoluene	2.3	J	Results were between the MDL and RL.
		2,6-Dinitrotoluene	1.6	J	
FWGLL2mw-262c-0423-GF	6010B	Copper	1.8	J	Result was between the MDL and RL; lab duplicate RPD was above control limits
		Cobalt	1.3	J	Results were between the MDL and RL
	6020	Aluminum	3.4	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	200	J	
		Zinc	6.6	BJ	B = Result was less than the 5x ER value; J = Result was between the MDL and RL.
FWGLL2mw-262c-0423-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits
		Endosulfan II	0.025	UJ	
		All analytes Except Endosulfan I, and Endosulfan II	Various	UJ	Surrogate recovery was below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL2mw-262c-0423-GW	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	
		2-Nitrophenol	2.0	UJ	
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL2mw-263c-0424-GF	6010B	Cobalt	2.4	J	Results were between the MDL and RL
		Nickel	5.7	J	
		Potassium	602	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	4160	J	
		Zinc	6.6	BJ	B = Result was less than the 5x ER value; J = Result was between the MDL and RL.
FWGLL2mw-263c-0424-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8330	PETN	0.48	J	Result was between the MDL and RL.
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits
		Endosulfan II	0.025	UJ	
		All analytes Except Endosulfan I, and Endosulfan II	Various	UJ	Surrogate recovery was below control limits
	8082	All aroclors	0.50	UJ	Surrogate recovery was below control limits
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
	8270C	2,4,5-Trichlorophenol	5.0	UJ	Surrogates recovered below control limits
		2,4,6-Trichlorophenol	5.0	UJ	
		2,4-Dichlorophenol	2.0	UJ	
		2,4-Dimethylphenol	2.0	UJ	
		2,4-Dinitrophenol	5.0	UJ	
		2-Chlorophenol	1.0	UJ	
		2-Methylphenol	1.0	UJ	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL2mw-263c-0424-GW	8270C	2-Nitrophenol	2.0	UJ	Surrogates recovered below control limits
		4,6-dinitro-2-methylphenol	5.0	UJ	
		4-chloro-3-methylphenol	2.0	UJ	
		4-Methylphenol	1.0	UJ	
		4-Nitrophenol	5.0	UJ	
		Benzoic acid	10	UJ	
		Benzyl alcohol	5.0	UJ	
		Pentachlorophenol	5.0	UJ	
		Phenol	1.0	UJ	
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
FWGLL3mw-242c-0426-GF	6010B	Barium	8.5	J	Results were between the MDL and RL.
		Manganese	7.7	J	
		Nickel	8.2	J	
		Potassium	721	J	
		Copper	2.6	J	Result was between the MDL and RL; lab duplicate RPD was above control limits
	6020	Aluminum	11.8	J	Result was between the MDL and RL.
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	51.2	J	
		Zinc	8.2	BJ	B = Result was less than the 5x ER value; J = Result was between the MDL and RL.
FWGLL3mw-242c-0426-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8081A	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits
		Endosulfan II	0.025	UJ	
		All analytes Except Endosulfan I, Endosulfan II and Methoxychlor	Various	UJ	Surrogate recovery was below control limits
		Methoxychlor	0.021	J	Surrogate recovery was below control limits; Result was between the MDL and RL.

Data Verification Summary

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COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL3mw-242c-0426-GW	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
FWGLL4mw-198c-0427-GF	6010B	Cobalt	1.4	J	Results were between the MDL and RL.
	6020	Aluminum	28.2	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	5400	J	
FWGLL4mw-198c-0427-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MS/MSD RPD was above control limits
	8330	PETN	0.57	J	Result was between the MDL and RL.
	8081A	All analytes	Various	R	Surrogate recovery was below 10%
	8081A RE	Endosulfan I	0.025	UJ	LCS recovery was below control limits; Surrogate recovery was below control limits; extracted outside of hold time
		Endosulfan II	0.025	UJ	
		All analytes Except Endosulfan I, Endosulfan II and methoxychlor	Various	UJ	Surrogate recovery was below control limits; extracted outside of hold time

Data Verification Summary

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STL Sample Delivery Group: A7D180106
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL4mw-198c-0427-GW	8081A RE	Methoxychlor	0.038	J	Surrogate recovery was below control limits; Result was between the MDL and RL; extracted outside of hold time
	8082	All aroclors	0.50	UJ	Surrogate recovery was below control limits
	8260B	Acetone	10	R	Closing MRL Checks recovered below 60%
		Bromoform	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Carbon Disulfide	1.0	UJ	MRL checks recovered below control limits
		Cis-1,3-Dichloropropene	1.0	UJ	
		Trans-1,3-Dichloropropene	1.0	UJ	
		Chloroethane	1.0	UJ	LCS recovered below control limits
	8270C	Hexachlorocyclopentadiene	10	R	LCS recovered below 30%.
FWGRinse Trip Blank	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits

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Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGRinse Trip Blank	8260B	Methylene Chloride	0.34	J	Result was between the MDL and RL.
FWGTeam1-Trip blank	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Methylene Chloride	0.35	J	Result was between the MDL and RL.
FWGTeam2-Trip	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits

Data Verification Summary

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COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475

Date: November 15, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGTeam2-Trip	8260B	Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Methylene Chloride	0.36	J	Result was between the MDL and RL.
FWGTeam3-Trip blank	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Cis-1,3-Dichloropropene	1.0	R	Closing MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Methylene Chloride	0.35	J	Result was between the MDL and RL.

J = Analyte concentration was considered an estimated value.
MDL = Method Detection Limit
RL = reporting limit
MB = Method Blank
MRL = Method Reporting Limit
MS/MSD = Matrix Spike/Matrix Spike Duplicate
CCV = Continuing calibration Verification
%R = percent recovery
RPD = Relative Percent Difference
U = Analyte was not detected.
R = non-usable
CCB = Continuing calibration blank
ER = Equipment Rinse
B = Blank contamination
LCS = Laboratory Control Sample
ICV = Initial Calibration Verification
%D = percent difference
UJ = Analyte was not detected above the MDL, but the MDL was considered estimated.
BJ = Analyte was considered not detected above the MDL due to blank contamination, but the concentration was considered estimated.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D180106 **Date:** November 15, 2007
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475 **Revision:** 2

Sample FWGLL3mw-242c-0426-GW was incorrectly written on the COC as FWGLL3mw-240c-0426-GW. This error was not found until after the data was reported. All results were reported with the incorrect field sample ID.

Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.

VOAs - 8260B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Tuning criteria
- Initial Calibration Criteria including SPCC and CCC compounds
- Internal standard area counts and retention times
- Surrogate recoveries
- Field duplicate RPD criteria

Samples analyzed on instrument UX11: FWGDA2mw-DET1bR-0437-GW, FWGLL2mw-262c-0423-GW, FWGDETmw-3bR-0444-GW, FWGLL3mw-242c-0426-GW, FWGTeam1-Trip, FWGTeam2-Trip, FWGTeam3 Trip blank, and FWGRinse Trip blank

Samples analyzed on instrument UX15: FWGLL4mw-198c-0427-GW, FWGLL2mw-263c-0424-GW, FWGCBPmw-007c-0436-GW, FWGLL11mw-083c-0421-GW, FWGLL11mw-007c-0430-GW, FWGDETmw-4bR-0445-GW, FWGLL11mw-DUP5-0455-GW, FWGEQUIPRinse1-0456-GW, FWGEQUIPRinse2 – 0457-GW, and FWGLL11mw-002c-0429-GW

MDL verification check data was not provided for instrument A3UX11. No qualifications were made since an evaluation could not be completed.

MRL/QC checks for Instrument A3UX11:

- Opening MRL: Acetone %R = 133.2%, Methylene Chloride %R = 134.7%, Carbon Tetrachloride %R = 59.9%, cis-1,3-Dichloropropene %R = 58.0%, trans-1,3-Dichloropropene %R = 45.4%, Dibromochloromethane %R = 66.9%, 1,2-Dibromoethane %R = 68.2%, and Bromoform %R = 61.0%.
- The closing MRL had Methylene Chloride %R = 130.4%, Carbon Tetrachloride %R = 58.1%, Bromodichloromethane %R = 68.3%, cis-1,3-dichloropropene %R = 60.2%, trans-1,3-dichloropropene %R = 46.6%, Dibromochloromethane %R = 57.5%, and Bromoform %R = 58.4%.
- There were no detected results for Acetone; therefore no qualifications were made.
- Samples FWGTeam1 Trip blank, FWGTeam2-Trip, FWGTeam3 Trip blank, and FWGRinse Trip blank Methylene Chloride results were qualified "J".
- dibromochloromethane and bromoform: all results analyzed on UX11 were non-detect and were qualified "R" based on the ending MRL.

- cis-1,3-Dichloropropene: all results analyzed on UX11 were non-detect and were qualified "R" based on the opening MRL.
- Carbon Tetrachloride and Trans-1,3-Dichloropropene: all results were analyzed on UX11 non-detect and were qualified "R".
- All Bromodichloromethane and 1,2-Dibromomethane results were analyzed on UX11 qualified "J/UJ".

MRL/QC checks for Instrument A3UX15:

- Opening MRL: Acetone %R = 69%, Methylene Chloride %R = 131.1%, trans-1,3-Dichloropropene %R = 66.8%, and Bromoform %R = 56.8%.
- The closing MRL: Acetone %R = 45.8%, Carbon Disulfide %R = 68.9%, Methylene Chloride %R = 169.3%, cis-1,3-dichloropropene %R = 65.9%, trans-1,3-dichloropropene %R = 64.9%, and Bromoform %R = 60.2%.
- Samples FWGEQUIPRinse1-0456-GW, FWGEQUIPRinse2 – 0457-GW Methylene Chloride results were qualified "J".
- Acetone: all results analyzed on UX15 were non-detect and were qualified "R" based on the closing MRL.
- bromoform: all results analyzed on UX15 were non-detect and were qualified "R".
- Carbon disulfide: all results analyzed on UX15 were non-detect and were qualified "UJ" based on the closing MRL.
- cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene: all results were analyzed on UX15 non-detect and were qualified "UJ".

Bromomethane ICV on A3UX11 %R was 77.3%; Samples FWGDA2mw-DET1bR-0437-GW, FWGLL2mw-262c-0423-GW, FWGDETmw-3bR-0444-GW, FWGLL3mw-242c-0426-GW, FWGTeam1-Trip, FWGTeam2-Trip, FWGTeam3 Trip blank, and FWGRinse Trip blank were qualified "J/UJ"

Instrument A3UX11 had Carbon Tetrachloride CCV %D at -20.7%, cis-1,3-Dichloropropene CCV %D at -30.4% and trans-1,3-Dichloropropene CCV %D at -36.1%. No qualifications were made for carbon tetrachloride since the average %D was 9.4%. All associated results for cis and trans-1,3-Dichloropropene were not detected. The result were qualified "R".

Instrument A3UX15 had Carbon disulfide CCV %D at -23.8% and bromoform CCV %D at -28.7%. The average %D was 12.3%; No qualifications were made since the average %D was less than 20%.

Methylene Chloride for in the method blank for Batch 7114103 (UX11) was detected at 0.45; the RL was 2.0 ppb. Methylene Chloride in the method blank for Batch 7114116 (UX15) was detected at 0.49; the RL was 2.0ppb. No qualifications were made since the contamination was less than ½ the RL.

FWGEQUIPRinse1-0456-GW detected Methylene Chloride at 0.21 ug/L and Toluene at 0.76 ugL. There were no qualifications made for Methylene Chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made.

FWGEQUIPRinse2-0457-GW detected Methylene Chloride at 0.26 ug/L and Toluene at 0.64 ugL. There were no qualifications made for methylene chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made.

FWGRinse Trip blank detected Methylene Chloride at 0.34 ppb. No qualifications were made based on this trip blank since the result was less than ½ the MRL (2.0ppb).

FWGTEAM1 Trip Blank detected Methylene chloride at 0.35 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

FWGTEAM2 Trip detected Methylene chloride at 0.36 ppb. There were no detected results; therefore no qualifications were made.

FWGTEAM3 Trip Blank detected Methylene chloride at 0.35 ppb. There were no detected results; therefore no qualifications were made.

Bromochloromethane was not spiked in the LCS/LCSD or MS/MSD. No evaluation could be made; therefore no qualifications were made.

A3UX11 Batch: Cis-1,3-dichloropropene and trans-1,3-dichloropropene recovered below control limits in the LCS and LCSD. Carbon Tetrachloride recovered below control limits in the LCS. All results were qualified "UJ".

A3UX15 Batch: Bromoform and Chloroethane recovered below control limits in the LCS. All results were qualified "UJ".

Sample FWGLL11mw-007c-0430-GW was the parent. Acetone, bromoform, Carbon disulfide, Chloromethane, cis-1,3-dichloropropene, and trans-1,3-dichloropropene recovered below control limits in the MS. Acetone, bromoform, carbon disulfide, cis-1,3-dichloropropene, and trans-1,3-dichloropropene were qualified "J/UJ" in the parent sample. Chloromethane had no other QC outliers; therefore no qualifications were made.

SVOCs- 8270C

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Tuning criteria
- Initial Calibration criteria including CCC and SPCC compounds

- ICV and CCV criteria
- Internal standard area counts and retention times
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- Field duplicate RPD criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

The Method blank and LCS were extracted with samples and analyzed on 4/27, but had to be re-analyzed on 4/30. The results were reported from 4/30 and were within recovery limits. The samples were re-analyzed due to internal standard failures in the first analysis. No qualifications were made since the samples were extracted with the field samples and the recoveries were within limits.

Hexachlorocyclopentadiene recovered below control limits in the LCS. All results were qualified "R".

Isophorone recovered above the control limits in the LCS. All results were non-detect; therefore no qualifications were made.

Sample FWGLL11mw-007c-0430-GW was the parent. 3,3'-dichlorobenzidine and hexachlorocyclopentadiene recovered below control limits in the MS and MSD. The hexachlorocyclopentadiene results were qualified "J/UJ" in the parent sample. There were no other QC outliers for 3,3'-Dichlorobenzidine; therefore no qualifications were made.

Sample FWGLL2mw-263c-0424-GW, FWGCBP-007c-0436-GW, FWGLL1mw-083c-0421-GW, FWGLL11mw-007c-0430-GW, FWGDETmw-4bR-0445-GW, FWGLL11mw-DUP5-0455-GW, FWGEQUIPRinse1-0456-GW, FWGEQUIPRinse2-0457-GW, FWGDA2mw-DET1bR-0437-GW, FWGLL2mw-262c-0432-GW, and FWGDETmw-3Br-0444-GW had surrogate 2-fluorophenol recover below control limits. All associated results were qualified "J/UJ".

Pesticides- 8081

The following QC criteria were reviewed with acceptable results:

- Preservation, sample handling
- Initial Calibration criteria
- DDT and Endrin breakdown criteria
- Retention time criteria
- The method blank was free from contamination
- MRL Level Verification criteria

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106 **Date:** November 15, 2007
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475 **Revision:** 2

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Sample FWGLL4mw-198c-0427-GW was re-extracted out of hold time. The re-extracted results were qualified "J/UJ"

CCVs

- 4/23 @ 2013 front – gamma-BHC (16.9%), heptachlor (21.1%), 4,4'-DDD (17.1%); avg. = 9.9%. No qualifications were made since the average %D meet criteria.
- 4/24 @ 0403 – gamma-BHC (17.3%), heptachlor (22.5%), 4,4'-DDD (20.8%), Endrin aldehyde (17.0%), methoxychlor (18.3%), and endrin ketone (19.3%) recovered greater than 15% D. The average %D was 13.08%; no qualifications were made.
- 4/23 @ 1117 back column – 4 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 16.4%. No qualifications were made since there no individual peaks greater than 30%.
- 4/30 @ 1253 back column – all 5 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 21.0%. No qualifications were made since there no individual peaks greater than 30%.
- 4/30 @ 1721 back column – all 5 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 17.3%. No qualifications were made since there no individual peaks greater than 30%.

FWGEQUIPRinse2-0457-GW had beta-BHC detected at 0.067; RL is 0.030 ppb. Sample FWGLL11mw-002c-0429-GW was qualified "B".

Endosulfan I and Endosulfan II recovered below control limits in the LCS. All results were qualified "UJ/J".

Sample FWGLL11mw-007c-0430-GW was the parent. Aldrin, endosulfan I and endosulfan II recovered below control limits. Endosulfan I and endosulfan II were qualified "UJ/J" in the parent sample. There were no other QC outliers for Aldrin. No qualifications were made.

Sample FWGLL4mw-198c-0427-GW had DCB recover below 10%. The sample was re-extracted and re-analyzed. The original results were qualified "R". Samples FWGDETmw-3bR-0444-GW, FWGDETmw-4bR-0445-GW, FWGEUQUIPrinse2-0457-GW, FWGLL11mw-DUP5-0455-GW, FWGLL2mw-262c-0423-GW, FWGLL2mw-263c-0424-GW, and FWGLL3mw-242c-0426-GW had DCB and/or TCMX recover below control limits. All associated results were qualified "J/UJ".

FWGEQUIPRinse2-0457-GW had beta-BHC second column confirmation RPD at 40%. The result was qualified J.

FWGLL1mw-083c-0421-GW had beta-BHC and endrin ketone second column confirmation RPDs greater than 40%. The results were qualified J.

Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW. Methoxychlor RPD was 200%. The parent sample was qualified "J".

PCBs- 8082

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- Retention time criteria
- CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- Field Duplicate RPD criteria
- MS/MSD percent recoveries and RPD values criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Aroclor-1016 ICV peak average was 9.3%. Aroclor-1260 ICV peak average was 9.4%. There were no detected results; therefore no qualifications were made.

Surrogate DCB recovered below control limits in samples FWGDETmw-4bR-0445-GW, FWGEQUIPRinse2-0457-GW, FWGLL11mw-002c-0429-GW, FWGLL11mw-007c-0430-GW, FWGLL11mw-DUP5-0455-GW, FWGLL2mw-263c-0424-GW, and FWGLL4mw-198c-0427-GW. All associated results were qualified "J/UJ"

Explosives- 8330

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration Criteria
- Retention time criteria
- MDL and MRL level verification criteria
- ICV and CCV criteria

- The method blank was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation

Nitroglycerin and PETN were not spiked into the MRL checks during analysis since the analytes were added to the target compound list after analysis. No qualifications were made since an evaluation could not be made

Sample FWGLL1mw-083c-0421-GW had 0% surrogate recovery. The results were qualified "R".

Nitroguanidine- 8330M

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- Retention time criteria
- MRL level verification criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Metals - 6010B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Serial Dilution criteria
- MS/MSD percent recoveries and RPD values criteria
- Post Digestion spike criteria
- MDL and MRL Level Verification criteria

- Field Duplicate RPD criteria

Blanks:

- ICB:
  - Potassium was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.

- CCB:
  - Potassium CCBs were detected between 149 and 165 ppb; RL is 1000 ppb. CCB7 had Cobalt detected at 1.4; RL is 5.0; Nickel at 1.7; RL is 10; Silver at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made.
  - Selenium CCB4 was detected at -3.7, RL is 5.0. All selenium results were non-detect; therefore no qualifications were made.
  - Sodium CCB2 was detected at -650; RL is 1000. All associated sodium results were greater than 5x the absolute blank value; therefore no qualifications were made.

- Method Blank:
  - Manganese was detected at 0.69; RL is 10ppb. Potassium was detected at 144 ppb; RL is 1000ppb. There were no qualifications made since the MB values were less than ½ the MRL.

- Equipment Rinse:
  - FWGEQUIPRinse1-0456-GW had Potassium detected at 143; RL is 1000 ppb. Potassium contamination was less than ½ MRL; therefore no qualifications were made.
  - FWGEQUIPRinse2-0457-GW: Calcium was detected at 95; RL is 1000ppb. Copper was detected at 1.9; RL is 5.0 ppb. Potassium was detected at 148; RL is 1000ppb. Calcium, Copper, and Potassium result were less than ½ the MRL; therefore no qualifications were made.

Copper lab duplicate RPD was 200%. All detected results were qualified "J'.

Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW. Copper and Nickel had RPDs above the control limits. The detected results were qualified "J".

Metals - 6020
The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Internal standard and tune criteria
- Initial Calibration criteria
- ICV and CCV criteria
- MDL Level Verification criteria
- ICBs and CCBs were free from contamination

- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS percent recoveries criteria
- Post Digestion Spike criteria
- Serial Dilution criteria

The closing MRL check had antimony and iron recover below control limits. All results were qualified "J/UJ".

Zinc was detected at 4.5 ppb; RL is 10 ppb. There were no qualifications made since the MB values were less than ½ the MRL.

FWGEQUIPRinse1-0456-GW had Zinc detected at 5.3ppb; RL is 10 ppb. There were no detected zinc results; therefore no qualifications were made.

Zinc was detected in the equipment rinse (FWGEQUIPRinse2-0457-GW) at 5.1; RL is 10 ppb. Zinc was qualified "B" in samples FWGCBPmw-007c-0436-GF, FWGDA2DET1bR-0437-GF, FWGDETmw-3Br-0444-GF, FWGDETmw-4bR-0445-GF, FWGLL11mw-002c-0429-GF, FWGLL11mw-007c-0430-GF, FWGLL2mw-262c-0423-GF, FWGLL2mw-263c-0424-GF, and FWGLL3mw-242c-0426-GF.

Mercury - 7470A

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- ICB and CCBs were free from contamination
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MDL and MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria

There were no QC exceptions noted.

Nitrocellulose - 353.2

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Sample preparation criteria

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D180106 **Date:** November 15, 2007
COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475 **Revision:** 2

- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- ICB and CCBs were free from contamination
- MRL Level Verification criteria
- Field duplicate RPD criteria
- Nitrocellulose assay criteria

The LCS recovered above control limits. There were no detected results therefore no qualifications were made.

Sample FWGLL11mw-007c-0430-GW was the parent. The MS/MSD RPD recovered above control limits. All associated results were qualified "J/UJ".

Cyanide- 9012

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field duplicate RPD criteria

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

The method blank from 4/20/07 detected cyanide at 0.0069 mg/L. Sample FWGDETmw-3bR-0444-GW was qualified "B".

Data Validator: Heather McCoy
Date: 11/15/07
Senior Data Validator: Erik C. Corbin
Date: 11/15/07

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16 and 4/17/07 and analyzed on 4/24/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3.3
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-3
7. Was the GC/MS system tuned with bromofluorobenzene (BFB)?	✓				LCG Table 1
8. Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	✓			**UX11:** 4/13/07 @ 1424, 4/24/07 @ 0818 **UX15:** 4/17/07 @ 0847, 4/25/07 @ 0856	SW846 8260B 7.3.1
9. Did the initial calibration curve consist of 5 concentration levels?	✓			4/13/07 Instrument A3UX11 4/17/07 Instrument A3UX15 stds – 5, 10, 25, 50, 100, 200 ng on column	LCG Table 1 R
10. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviations (%RSD) ≤ 30%?	✓				LCG Table 1 R
11. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓				LCG Table 1
12. Were all other target analytes ≤ 15% RSD? OR Was the average RSD ≤ 15%? Was a different calibration option used?	✓			**UX11:** Acetone used a weighted linear curve. **UX15:** Acetone used a weighted linear curve.	LCG Table 1 15% <RSD< 20% = J/UJ
13. If a linear regression curve was used, was the correlation coefficient r≥0.99?	✓			All correlation coefficients were ≥0.99. No qualifications were made since the correlation coefficients were acceptable.	LCG Table 1 R<0.99=-J/R
14. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			MDL verification check data was not provided for UX11. No qualifications were made since an evaluation could not be completed. UX15: 3/22/07	LCG Table 1 R

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours?	✓			**UX11:** 4/24/07 @ 1139 and 1958 **UX15:** 4/24/07 @ 11	LCG Table 1
16. Were the QC/MRL recoveries 70-130%?		✓		**UX11:** Opening MRL: Acetone %R = 133.2%, Methylene Chloride %R = 134.7%, Carbon Tetrachloride %R = 59.9%, cis-1,3-Dichloropropene %R = 58.0%, trans-1,3-Dichloropropene %R = 45.4%, Dibromochloromethane %R = 66.9%, 1,2-Dibromoethane %R = 68.2%, and Bromoform %R = 61.0%. **UX11:** The closing MRL had Methylene Chloride %R = 130.4%, Carbon Tetrachloride %R = 58.1%, Bromodichloromethane %R = 68.3%, cis-1,3-dichloropropene %R = 60.2%, trans-1,3-dichloropropene %R = 46.6%, Dibromochloromethane %R = 57.5%, and Bromoform %R = 58.4%. There were no detected results for Acetone; therefore no qualifications were made. Samples FWGTeam1 Trip blank, FWGTeam2-Trip, FWGTeam3 Trip blank, and FWGRinse Trip blank Methylene Chloride results were qualified "J". dibromochloromethane, and bromoform: all results analyzed on UX11 were non-detect and were qualified "R" based on the ending MRL. cis-1,3-Dichloropropene: all results analyzed on UX11 were non-detect and were qualified "R" based on the opening MRL. Carbon Tetrachloride and Trans-1,3-Dichloropropene: all results were analyzed on UX11 non-detect and were qualified "R". All Bromodichloromethane and 1,2-Dibromomethane results were analyzed on UX11 qualified "J/UJ". **UX15:** Opening MRL: Acetone %R = 69%, Methylene Chloride %R = 131.1%, trans-1,3-Dichloropropene %R = 66.8%, and Bromoform %R = 56.8%. **UX15:** The closing MRL: Acetone %R = 45.8%, Carbon Disulfide %R = 68.9%, Methylene Chloride %R = 169.3%, cis-1,3-dichloropropene %R = 65.9%, trans-1,3-dichloropropene %R = 64.9%, and Bromoform %R =	LCG Table 1 >130%=J; 70-60%=J/UJ; <60%=J/R

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
				60.2%. Samples FWGEQUIPRinse1-0456-GW, FWGEQUIPRinse2 – 0457-GW Methylene Chloride results were qualified "J". Acetone: all results analyzed on UX15 were non-detect and were qualified "R" based on the closing MRL. bromoform: all results analyzed on UX15 were non-detect and were qualified "R". Carbon disulfide: all results analyzed on UX15 were non-detect and were qualified "UJ" based on the closing MRL. cis-1,3-Dichloropropene, Trans-1,3-Dichloropropene: all results were analyzed on UX15 non-detect and were qualified "UJ".	
17. Was a second source verification (ICV) analyzed after the ICAL? Were results 80-120%?		✓		**UX11:** 4/13/07 @ 1730; Bromomethane %R = 77.3%; Samples FWGDA2mw-DET1bR-0437-GW, FWGLL2mw-262c-0423-GW, FWGDETmw-3bR-0444-GW, FWGLL3mw-242c-0426-GW, FWGTeam1-Trip, FWGTeam2-Trip, FWGTeam3 Trip blank, and FWGRinse Trip blank were qualified "J/UJ" **UX15:** 4/17/07 @ 1523	LCG Table 1 >120%=J; 60-80%=J/UJ; <60%=J/R
18. Was a CCV run every 12 hours?	✓			**UX11:** 4/24/07 @ 0859 **UX15:** 4/24/07 @ 0943	LCG Table 1
19. Did the CCCs have a %Difference < 20%?	✓				LCG Table 1
20. Were the minimum RFs for the SPCCs within limits?	✓				LCG Table 1
21. Was the average of all target analytes ≤ 20%D with a maximum D for each target analyte ≤30%?		✓		**UX11:** Carbon Tetrachloride %D =-20.7%, cis-1,3-Dichloropropene %D = -30.4%, trans-1,3-Dichloropropene %D = -36.1%; No qualifications were made for carbon tetrachloride since the average %D = 9.4%. All associated results for cis and trans-1,3-Dichloropropene were not detected. The result were qualified "R". **UX15:** Carbon disulfide %D = -23.8% and bromoform %D = -28.7%; average %D = 12.3%; No qualifications were made since the average %D was less than 20%.	LCG Table 1 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
22. Were the internal standards added to every sample?	✓				LCG Table 1
23. Were the retention times for all IS compounds within ±30 seconds from the RT of the mid-point standard in the ICAL?	✓				LCG Table 1 R
24. Was the EICP area between -50% and +100% of the ICAL mid-point standard?	✓				LCG Table 1 R
25. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 1
26. Were target analytes detected in the method blank at >1/2 the MRL?		✓		Methylene Chloride for Batch 7114103 (UX11) was detected at 0.45; the RL was 2.0 ppb. Methylene Chloride for Batch 7114116 (UX15) was detected at 0.49; the RL was 2.0ppb. No qualifications were made since the contamination was less than ½ the RL.	LCG Table 1 <5/10X =B
27. Was a field blank (equipment and/or trip) collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07), and 4 trip blanks.	
28. Were target analytes detected in the field blank analyses >1/2 the MRL?	✓			FWGEQUIPRinse1-0456-GW detected Methylene Chloride at 0.21 ug/L and Toluene at 0.76 ugL. There were no qualifications made for Methylene Chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made. FWGEQUIPRinse2-0457-GW detected Methylene Chloride at 0.26 ug/L and Toluene at 0.64 ugL. There were no qualifications made for methylene chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made. FWGRinse Trip blank detected Methylene Chloride at 0.34 ppb. No qualifications were made based on this trip blank since the result was less than ½ the MRL (2.0ppb). FWGTEAM1 Trip Blank detected Methylene chloride at 0.35 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).	<5/10X =B

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8260B

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
				FWGTEAM2 Trip detected Methylene chloride at 0.36 ppb. There were no detected results; therefore no qualifications were made. FWGTEAM3 Trip Blank detected Methylene chloride at 0.35 ppb. There were no detected results; therefore no qualifications were made.	
29. Was a field duplicate analyzed? Were the RPDs within ±30%?	✓			Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.	QAPP Table 3-2 RPD >30=J
30. Was a LCS prepared and analyzed with each batch?	✓			An LCSD was analyzed and reported; Bromochloromethane was not spiked in the LCS/LCSD. No evaluation could be made; therefore no qualifications were made.	LCG Table 1
31. Were the LCS recoveries within limits specified in Appendix C of the LCG?		✓		**UX11 Batch**: Cis-1,3-dichloropropene and trans-1,3-dichloropropene recovered below control limits in the LCS and LCSD. Carbon Tetrachloride recovered below control limits in the LCS. All results were qualified "UJ". **UX15 Batch**: Bromoform and Chloroethane recovered below control limits in the LCS. All results were qualified "UJ".	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
32. Was a MS/MSD prepared with each batch?	✓				LCG Table 1
33. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent. Bromochloromethane was not spiked in the MS/MSD. No evaluation could be made; therefore no qualifications were made.	
34. Were MS/MSD recoveries 70-130% and RPD values ≤20%?		✓		Acetone, bromoform, Carbon disulfide, Chloromethane, cis-1,3-dichloropropene, and trans-1,3-dichloropropene recovered below control limits in the MS. Acetone, bromoform, carbon disulfide, cis-1,3-dichloropropene, and trans-1,3-dichloropropene were qualified "J/UJ" in the parent sample. Chloromethane had no other QC outliers; therefore no qualifications were made.	LCG Table 1 Pj
35. Were surrogate recoveries 50-150%?	✓				LCG Table 1 >150%=J; 10% -50%=J/UJ; <10%=J/R
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
38. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on the*	

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8260B

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 1 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Sample FWGLL3mw-242c-0426-GW was incorrectly written on the COC as FWGLL3mw-240c-0426-GW. This error was not found until after the data was reported. All results were reported with the incorrect field sample ID.

Samples analyzed on instrument UX11: FWGDA2mw-DET1bR-0437-GW, FWGLL2mw-262c-0423-GW, FWGDETmw-3bR-0444-GW, FWGLL3mw-242c-0426-GW, FWGTeam1-Trip, FWGTeam2-Trip, FWGTeam3 Trip blank, and FWGRinse Trip blank

Samples analyzed on instrument UX15: FWGLL4mw-198c-0427-GW, FWGLL2mw-263c-0424-GW, FWGCBPmw-007c-0436-GW, FWGLL11mw-083c-0421-GW, FWGLL11mw-007c-0430-GW, FWGDETmw-4bR-0445-GW, FWGLL11mw-DUP5-0455-GW, FWGEQUIPRinse1-0456-GW, FWGEQUIPRinse2 – 0457-GW, and FWGLL11mw-002c-0429-GW

Table1- CCCs

Analyte
1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

Table 2- SPCCs

Analyte	Minimum RF
Chloromethane	0.10
1,1-Dichlorethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were samples extracted using the correct preparation, clean-up methods?	✓				QAPP Table 4-2
4. Were samples extracted within required holding times (7 days - water)?	✓			Samples collected 4/16 and 4/17/07; extracted on 4/18/07.	QAPP Table 4-2 J/UJ/R
5. Were samples analyzed within required holding times (40 days after extraction)?	✓			Samples analyzed on 4/26/07 and 4/27/07.	QAPP Table 4-2 J/UJ/R
6. Were sample storage requirements met?	✓				QAPP Table 4-2
7. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-4 and 3-6
8. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-4 and 3-6
9. Was the GC/MS system tuned with decafluorotriphenylphosphine (DFTPP)?	✓				LCG Table 2
10. Were the criteria met during each 12 hour shift?	✓			4/26/07 @ 1454, 4/27/07 @ 1031, 4/30/07 @ 1108	LCG Table 2
11. Did the initial calibration curve consist of 5 concentration levels, with the low standard near but above the MDL?	✓			Instrument A4HP8, ICAL 4/26/07 stds = 0.05, 0.25, 0.50, 1.0, 2.5, 5.0, 7.5, 10.0, 12.5 ng on column	LCG Table 2 R
12. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviation (%RSD) ≤ 30%?	✓			Pentachlorophenol and Di-n-octylphthalate used quadratic curves	LCG Table 2 R
13. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓			2,4-Dinitrophenol and 4-Nitrophenol used quadratic curves.	LCG Table 2 R
14. Was each target analyte <15 % RSD, or was the average RSD <15%? If a different calibration option was used, were the r^2's ≥0.99?	✓			Benzoic acid, 2,4,5-Trichlorophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, used quadratic curves. All r^2's were greater than 0.99. No qualifications made since the coefficient of determinations were within criteria.	LCG Table 2 r<0.99=-J/R 15% <RSD< 30% = J/UJ

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05 **SDG**: A7D180106 R0
Sample Event: April 2007 **Analysis**: SW846 8270C (including PAH's)
Data Reviewer/Date: Heather Medley/June 22, 2007

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 2 R
16. Was a MRL Level Verification run at the beginning and end of the sequence or every 12 hours? Were results 70-130%?	✓			4/26/07 @ 1826, and 4/27/07 @ 0110; 4/27/07 @ 1109 and 2120; 4/30/07 @ 1145 and 1318	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
17. Was a second source (ICV) verification analyzed after the ICAL? Were results 70-130%?	✓			4/26/07 @ 1807	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
18. Was a CCV analyzed every 12 hours?	✓			4/27/07 @ 1050, 4/30/07 @ 1126	LCG Table 2
19. Was the percent difference (% D) for the CCCs ≤ 20%? (see Table 1) (% drift if regression fit model used)	✓				LCG Table 2
20. Were the minimum RFs for the SPCCs met? (see Table 2)	✓				LCG Table 2
21. Was the %Difference or %Drift ≤20% for all target analytes? OR was the average %D ≤20% with no individual analyte ≥30%D?	✓				LCG Table 2 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J
22. Were the internal standards added to every sample?	✓				LCG Table 2
23. Did the retention times for all IS compounds vary by no more than 30 seconds from the RT of the mid-point ICAL std?	✓				LCG Table 2 R
24. Did the areas of all IS compounds vary by no more than -50% to +100% from the ICAL EICP area?		✓		Perylene-d12 was below LL in ICAL std 7. No qualifications were made since all other ICAL std IS areas were within criteria.	LCG Table 2 R
25. Was a method blank prepared and analyzed with each batch?	✓			Was extracted with samples and analyzed on 4/27, but had to be re-analyzed on 4/30. The results were reported from 4/30.	LCG Table 2

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
25. Were all target analytes in the method blank <1/2 the MRL?	✓				LCG Table 2 <5/10x blank = B
26. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07)	
27. Were all target analytes in the field blank analysis <1/2 the MRL?	✓				<5/10x blank = B
28. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.	QAPP Table 3-2 RPD >30=J
29. Was an LCS prepared and analyzed with each batch?	✓			Was extracted with samples and analyzed on 4/27, but had to be re-analyzed on 4/30. The results were reported from 4/30.	LCG Table 2
30. Were the LCS recoveries within limits specified in LCG Appendix C?		✓		Hexachlorocyclopentadiene recovered below control limits. All results were qualified "R". Isophorone recovered above the control limits. All results were non-detect; therefore no qualifications were made.	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
31. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 2
32. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
33. Were MS/MSD recoveries 45-135% and RPD value ≤40%?		✓		3,3'-dichlorobenzidine and hexachlorocyclopentadiene recovered below control limits in the MS and MSD. The hexachlorocyclopentadiene results were qualified "J/UJ" in the parent sample. There were no other QC outliers for 3,3'-Dichlorobenzidine; therefore no qualifications were made.	LCG Table 2 Pj
34. Were surrogates spiked into all calibration standards, blanks, QC samples as well as field samples?	✓				
35. Were surrogate recoveries within 50-150%?		✓		Sample FWGLL2mw-263c-0424-GW, FWGCBP-007c-0436-GW, FWGLL1mw-083c-0421-GW, FWGLL11mw-007c-0430-GW, FWGDETmw-4bR-0445-GW, FWGLL11mw-DUP5-0455-GW, FWGEQUIPRinse1-0456-GW, FWGEQUIPRinse2-0457-GW, FWGDA2mw-DET1bR-0437-GW, FWGLL2mw-262c-0432-GW, and FWGDETmw-3Br-0444-GW had surrogate 2-fluorophenol recover below control limits. All associated results were qualified "J/UJ".	LCG Table 2 >150%=J; 10% -50%=J/UJ; <10%=J/R
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8270C (including PAH's)

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
38. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 2 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Table 1: CCCs

Base / Neutral Compunds	Acid Compounds
Acenaphthalene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol
Hexachlorobutadiene	2-Nitrophenol
N-Nitrosodiphehylamine	Phenol
Di-n-octylphthalate	Pentachlorophenol
Fluoroanthene	2,4,6-Trichlorophenol
Benzo(a)pyrene	

(All analytes if CCCs not included in standard)

Table 2: SPCCs

N-Nitroso-di-n-propylamine	0.050
Hexachlorocyclopentadiene	0.050
2,4-Dinitrophenol	0.050
4-Nitrophenol	0.050

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?		✓		Samples collected 4/16 and 4/17/07, extracted on 4/18/07 and 4/20/07, and analyzed on 4/23/07, 4/24/07 and 4/30/07. Sample FWGLL4mw-198c-0427-GW was re-extracted out of hold time. The re-extracted results were qualified "J/UJ"	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Was a DDT standard analyzed every 12 hours? Was the DDT %breakdown < 15%?	✓			4/12/07 @ 1046, 4/23/07 @ 1737 and 4/24/07 @ 0340; 4/30 @ 1146 and 1806	LCG Table 4 >15%=J/R
8. Was an endrin standard analyzed every 12 hours? Was endrin %breakdown <15%?	✓			4/12/07 @ 1046, 4/23/07 @ 1737 and 4/24/07 @ 0340; 4/30 @ 1146 and 1806	LCG Table 4 >15%=J/R
9. Does the initial calibration curve consist of 5 concentration levels?	✓			Instrument a2hp9; ICAL on 4/12/07; Stds = 0.005, 0.01, 0.025, 0.05, 0.1, 0.20	LCG Table 4 R
10. Were the %RSDs for each analyte ≤ 20%? OR was the average %RSD ≤ 20% with the r^2 >0.990?	✓				LCG Table 4 RSD>20% or r<0.99=J/R
11. Was a blank run prior to the initial calibration?	✓				
12. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 4 R
13. Was a MRL Verification performed at the beginning and end of the sequence or every 12 hours with results 70-130%?	✓			4/23/07 @ 2036 and 4/24 @ 0425; 4/30 @ 1445 and 1850;	LCG Table 4 >130%=J; 65-70%%=J/UJ; <65%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Was a second source (ICV) verification analyzed after the ICAL? Were results 85-115%?	✓			A2hp9: 4/12/07 @ 2112	LCG Table 4 >115%=J; 80-85%=J/UJ; <80%=J/R
15. Was a CCV run every 12 hours?	✓			4/23/07 @ 1117 (tox), 2013, 4/24/07 @ 0403 and 1941 (tox), 4/30 @ 1253 (tox), 1423, 1721 (tox), 1828	LCG Table 4
16. Was the %D for all target analytes ≤5%? OR was the average %D ≤ 15% with no individual analyte >30%?		✓		4/23 @ 2013 front – gamma-BHC (16.9%), heptachlor (21.1%), 4,4'-DDD (17.1%); avg. = 9.9%. No qualifications were made since the average %D meet criteria. 4/24 @ 0403 – gamma-BHC (17.3%), heptachlor (22.5%), 4,4'-DDD (20.8%), Endrin aldehyde (17.0%), methoxychlor (18.3%), and endrin ketone (19.3%) recovered greater than 15% D. The average %D was 13.08%; no qualifications were made. 4/23 @ 1117 back column – 4 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 16.4%. No qualifications were made since there no individual peaks greater than 30%. 4/30 @ 1253 back column – all 5 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 21.0%. No qualifications were made since there no individual peaks greater than 30%. 4/30 @ 1721 back column – all 5 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 17.3%. No qualifications were made since there no individual peaks greater than 30%.	LCG Table 4 D>30% (neg) =J/R D>30% (pos) = J
17. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 4
18. Were target analytes < ½ the MRL?	✓				LCG Table 4 <5x=B
19. Was an equipment blank collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07)	
20. Were target analytes in the field blank analyses (equipment) <1/2 the MRL?		✓		FWGEQUIPRinse2-0457-GW had beta-BHC detected at 0.067; RL is 0.030 ppb. Samples FWGLL11mw-002c-0429-GW was qualified "B".	<5x =B
21. Was an LCS prepared and analyzed with each batch?	✓			Only a LCS is required	LCG Table 4
22. Were the LCS recoveries within limits specified in LCG Appendix C?		✓		Endosulfan I and Endosulfan II recovered below control limits. All results were qualified "UJ/J".	LCG Appendix C >UL=J;

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8081

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
					30%-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?		✓			LCG Table 4
24. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
25. Were MS/MSD recoveries 40-140% and RPD ≤20%?		✓		Aldrin, endosulfan I and endosulfan II recovered below control limits. Endosulfan I and endosulfan II were qualified "UJ/J" in the parent sample. There were no other QC outliers for Aldrin. No qualifications were made.	QAPP Table 3-2 Pj
26. Were both DCB and TCMX used for surrogates?	✓				
27. Were surrogate recoveries 50-150%?		✓		Sample FWGLL4mw-198c-0427-GW had DCB recover below 10%. The sample was re-extracted and re-analyzed. The original results were qualified "R". Samples FWGDETmw-3bR-0444-GW, FWGDETmw-4bR-0445-GW, FWGEUQUIPrinse2-0457-GW, FWGLL11mw-DUP5-0455-GW, FWGLL2mw-262c-0423-GW, FWGLL2mw-263c-0424-GW, and FWGLL3mw-242c-0426-GW had DCB and/or TCMX recover below control limits. All associated results were qualified "J/UJ".	LCG Table 4 >150%=J; 10% -50%=J/UJ; <10%=J/R
28. Was a field duplicate analyzed? Were the RPDs ≤30%?		✓		Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW. Methoxychlor RPD was 200%. The parent sample was qualified "J".	QAPP Table 3-2 RPD >30=J
29. Were all positive results verified by a second column confirmation? Were the RPD's ≤ 40?		✓		FWGEQUIPRinse2-0457-GW had beta-BHC column RPD at 40%. The result was qualified J.	LCG Table 4 >40 RPD=J
30. Were reported sample concentrations within calibration range?	✓				
31. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
32. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 4 and Attachment A "Data Validation Guidelines:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 22, 2007

SDG: A7D180106 R0
Analysis: SW846 8081

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16 and 4/17/07, extracted on 4/18/07, and analyzed on 4/20/07 and 4/21/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Does the initial calibration curve consist of 5 concentration levels of Aroclors 1016 and 1260?	✓			Instrument a2hp4; ICAL on 4/19/07 Stds = 0.05, 0.1, 0.2, 0.5, 1.0, 2.0	LCG Table 3 R
8. Was the % RSD ≤ 20%? Were the r^2s >0.990?	✓				LCG Table 3 RSD>20% or r<0.99= J/R
9. Was a MDL Level Verification performed once per quarter? Were all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 3 R
10. Was a MRL Level Verification performed at the beginning and end of the sequence or every 12 hours? Were the results 70-130%	✓			4/20/07 @ 1914 and 4/21/07 @ 0115	LCG Table 3 >130%=J; 65-70%=J/UJ; <65%=J/R
11. Was a second source (ICV) verification performed after the ICAL? Were results 85-115%?	✓			4/20/07 @ 0131; Aroclor-1016 peak average was 9.3%. Aroclor-1260 peak average was 9.4%. There were no detected results; therefore no qualifications were made,	LCG Table 3 >115%=J; 80-85%=J/UJ; <80%=J/R
12. Were single standards of the other five Aroclors run to aid in pattern recognition and to determine a single point calibration factor?	✓				Method 8082 Section 5.6.2
13. Was a CCV run every 12 hours?	✓			4/20/07 @ 1857 and 4/21/07 @ 0058	LCG Table 3

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Was the % D ≤ 15 % for each analyte or the average %D across all analytes ≤ 15% with a maximum %D for each target analyte ≤30%?	✓				LCG Table 3 D>30% (neg) =J/R D>30% (pos) =J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 5
16. Were target analytes <1/2 the MRL?	✓				LCG Table 5 <5x = B
17. Was an equipment blank collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07)	
18. Were target analytes in the field blank analyses (equipment) <1/2 the MRL?	✓				<5x = B
19. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 3
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; LL-30%=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 3
22. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
24. Was the surrogate spiked into all samples?	✓				
25. Were surrogate recoveries 50-150%?		✓		Surrogate DCB recovered below control limits in samples FWGDETmw-4bR-0445-GW, FWGEQUIPRinse2-0457-GW, FWGLL11mw-002c-0429-GW, FWGLL11mw-007c-0430-GW, FWGLL11mw-DUP5-0455-GW, FWGLL2mw-263c-0424-GW, and FWGLL4mw-198c-0427-GW. All associated results were qualified "J/UJ"	LCG Table 3 >150%=J; 10-50%=J/UJ; <10%=R
26. Was a field duplicate analyzed? Were the RPDs <30%?	✓			Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.	QAPP Table 3-2 RPD >30=J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8082

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
27. Were all positive results verified by a second dissimilar column confirmation? Was the RPD ≤ 40?	✓				LCG Table 3 RPD>40=J
28. Were reported sample concentrations within calibration range?	✓				
29. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
30. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 3 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16 and 4/17/07, extracted on 4/23/07, and analyzed on 4/27/07, 4/28/07, and 5/1/07	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?		✓			QAPP Table 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 5 R
8. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D <30%?		✓		4/27/07 @ 1443, 4/28/07 @ 0026 and 1008; 5/1/07 @ 1823 and 5/2/07 @ 0313 LC9 – 4/27 @ 2217 and 4/28 @ 0848 LC-9 5/1 @ 1626 and 5/2 @ 0258 Nitroglycerin and PETN were not spiked into the MRL checks during analysis since the analytes were added to the target compound list after analysis. No qualifications were made since an evaluation could not be made	LCG Table 5 >30%=J
9. Did the initial calibration curve consist of 5 concentration levels?	✓			LC10 - ICAL 3/24/07; LC9 – 4/23/07 (LC9 used for confirmation of detected results)	LCG Table 5 R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient $r^2 \geq 0.99$?	✓				LCG Table 5 R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%	✓			3/24/07 @ 2313; 4/24/07 @ 0959;	LCG Table 5 >115%=J 80-85%=J/UJ; <80%=J/R
13. Was a CCV run daily?	✓			4/27/07 @ 1349, 2333, and 4/28/07 @ 0915 5/1/07 @ 1730 and 5/2/07 @ 0220 LC9 – 4/27/07 @ 2114 and 4/28 @ 0745 LC9 - 5/1/07 @ 1523 and 5/2/07 @ 0155	LCG Table 5

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Were all target analytes %D ≤ 15% or average %D ≤ 15% with no individual result > 30%?	✓				LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 5
16. Were target analytes in the method blank <1/2 the MRL?		✓			LCG Table 5 <5x = B
17. Was a field blank (equipment) collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07)	
18. Were target analytes in the field blank analyses (equipment) <1/2 MRL?	✓				<5x = B
19. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 5
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; <LL=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 5
22. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2; Pj
24. Were surrogate recoveries within acceptance criteria of 50-150%?		✓		Sample FWGLL1mw-083c-0421-GW had 0% surrogate recovery. The results were qualified "R".	LCG Table 5 >150%=J; 10-50%=J/UJ; <10%=R
25. Were all positive results confirmed with a second column confirmation? Was the RPD% within ± 40%?	✓				LCG Table 5 RPD>40%=J
26. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.	QAPP Table 3-2 RPD >30=J
27. Were reported sample concentrations within calibration range?	✓				

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8330

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
29. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on*	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0009 Rev. 2.0- Determination of Nitroaromatic, Nitramines, and Specialty Explosives Based on Method 8330, SW-846.

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8330 Nitroguanidine

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07 and 4/17, extracted on 4/24/07, and analyzed on 4/25/07 and 4/26/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Tale 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 5 R
8. Was a MRL Level verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D < 30%?	✓			4/25/07 @ 1820, 2228, and 4/26 @ 0236 and 0644	LCG Table 5 >30%=J
9. Does the initial calibration curve consist of 5 concentration levels? (6 stds for quadratic curves)	✓			Instrument: Varian Star 1, ICAL 3/31/07 Stds: 20, 50, 100, 200, 500, 1000	STL SOP Section 10.2, LCG R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient r≥0.995? (0.990 for Quadratic curve)	✓				STL SOP Section 10.4, LCG R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓			3/31/07 @ 1913	STL SOP Section 9.9 >115%=J; 80-85%=J/UJ; <80%=J/R
13. Was a CCV run at least every 10 samples and at the end of the analytical run?	✓			4/25/07 @ 1759, 2207, 4/26 @ 0215 and 0623	STL SOP Section 10.9
14. Was the average %D (difference or drift) for all target analytes < 15%?	✓				LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8330 Nitroguanidine

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Attachment A Section 5.6
16. Were target analytes reported in the method blank <1/2 the MRL?	✓				LCG Table 5 <5x = B
17. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07)	
18. Were target analytes reported in the field blank analyses < ½ the MRL?	✓				<5x=B
19. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.	QAPP Table 3-2 RPD >30=J
20. Were all positive results confirmed with a second column confirmation? Was the RPD ≤ 40%?			✓		LCG Table 5 RPD>40%=J
21. Was an LCS prepared and analyzed with each batch?	✓				STL SOP Section 9.6
22. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C <UL=J; 30-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?	✓				STL SOP Section 9.7
24. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
25. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
29. Were lab comments included in report? If yes, summarize contents.	✓				

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 8330 Nitroguanidine

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0010 "Determination of Nitroguanidine Based on Method 8330, SW-846" April 2007, revision 2.0

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07 and 4/17/07, and analyzed on 4/20/07	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-9
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-9
7. Does the initial calibration curve consist of at least 6 standards and one blank?	✓			4/20/07	LCG Table 10 R
8. Was the correlation coefficient R ≥ 0.995?	✓				LCG Table 10 R<0.995=-J/R
9. Were % RSDs ≤ 10% in all standards and ICV/CCVs?	✓				LCG Table 10 RSD%>10=J
10. Were a high and low standard distilled and compared to the undistilled standard? Were the results within ± 10%?	✓				LCG Table 10 R
11. Was an MDL Level Verification performed at least once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 10 R
12. Was a MRL Level Verification performed at the beginning of every daily sequence? Were results within 70-130%?	✓			4/20/07 @ 0808,	LCG Table 10 >130%=J; 65-70%=J/UJ; <65%=J/R
13. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓				LCG Table 10 >115%=J; 80-85%=J/UJ; <80%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				LCG Table 7 < 5x = U
15. Was a CCV run at the beginning and end of the analytical sequence?	✓				LCG Table 10

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 9012

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
16. Were the CCV results 80-120%?	✓				LCG Table 10 >120%=J; 75-80%=J/UJ; <75%=J/R
17. Was a method blank prepared and analyzed with each batch?	✓				
18. Were target analytes detected in the method blank >1/2 the MRL?	✓			The method blank from 4/20/07 detected cyanide at 0.0069 mg/L. Sample FWGDETmw-3bR-0444-GW was qualified "B".	LCG Table 10 <5x=B
19. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07)	
20. Were target analytes in the field blank analyses <1/2 the MRL?	✓				<5x=B
21. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.	QAPP Table 3-2 >30% = J
22. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 10
23. Were the LCS recoveries 80-120%?	✓				LCG Table 10 >120%=J; 50-79%=J/UJ; <50%=R
24. Was a MS prepared once per every 10 samples?	✓				LCG Table 10
25. Was the MS parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
26. Were MS recoveries 75-125%?	✓				QAPP Table 3-2 >120%=J; 30-74%=J/UJ; <30%=J/R
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
29. Were lab comments included in report? If yes, summarize contents.	✓				

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 9012

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 10 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 6010B/6020

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07 and 4/17/07, digested on 4/19/07, ICP analyzed on 4/23/07, and ICP-MS analyzed on 4/25/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3-8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 3 standards and a blank?	✓				LCG Table 7 R
8. Was the ICAL performed daily?	✓				LCG Table 7 R
9. Was the correlation coefficient r≥0.995 for each analyte?	✓				LCG Table 7 R<0.995=J/R
10. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			3/5/07	LCG Table 7 R
11. Was a MRL Level Verification performed at the beginning of the daily sequence? Were results 70-130%?		✓		The closing MRL check had antimony and iron recover below control limits. All results were qualified "J/UJ".	LCG Table 7 >130%=J; 65-70%=J/UJ; <65%=J/R
12. Was the ICV (second source verification) analyzed after the ICAL?	✓				LCG Table 7
13. Were all analytes within 90-110% in the ICV?	✓				LCG Table 7 J>110%=J; 90-85%=J/UJ; <85%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓			Potassium ICB was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.	LCG Table 7 < 5x = U
15. Were CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 7

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 6010B/6020

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
16. Were CCV results within 90 to 110%?	✓				LCG Table 7 >110%=J 90-85%=J/UJ; <85%=J/R
17. Were the CCBs run every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?		✓		Potassium CCBs were detected between 149 and 165 ppb; RL is 1000 ppb. CCB8 had Cobalt detected at 1.4; RL is 5.0; Nickel at 1.7; RL is 10; Silver at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made. Selenium CCB2 and CCB6 were detected at -3.7, RL is 5.0. Sodium CCB4 was detected at -650; RL is 1000. No qualifications were made since the LCG doesn't specifically address negative blank values.	LCG Table 7 <5x = U
18. Was an Interelement Check Standard run at the beginning of the analytical sequence?	✓				LCG Table 7
19.Was the ICS recovery within 80 to 120% of true value for each element of interest?	✓				LCG Table 7 >120%=J; 50-79%=J/UJ; <50%=Pj/R
21. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 7
22. Were target analytes <1/2 the MRL in the method blank?		✓		Manganese was detected at 0.69; RL is 10ppb. Potassium was detected at 144 ppb; RL is 1000ppb. Zinc was detected at 4.5 ppb; RL is 10 ppb. There were no qualifications made since the MB values were less than ½ the MRL.	LCG Table 7 <5x = B
23. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07).	
24. Were target analytes reported in the field blank analyses <1/2 the MRL?		✓		FWGEQUIPRinse1-0456-GW had Potassium detected at 143; RL is 1000 ppb. Zinc was detected at 5.3ppb; RL is 10 ppb. Potassium contamination was less than ½ MRL; therefore no qualifications were made. There were no detected zinc results; therefore no qualifications were made. FWGEQUIPRinse2-0457-GW: Calcium was detected at 95; RL is 1000ppb. Copper was detected at 1.9; RL is 5.0 ppb. Potassium was detected at 148; RL is 1000ppb. Zinc was detected at 5.1; RL is 10 ppb. Calcium, Copper, and Potassium result were less than ½ the MRL; therefore no qualifications were made. Zinc was qualified "B" in samples FWGCBPmw-007c-0436-GF, FWGDA2DET1bR-0437-GF, FWGDETmw-3Br-0444-GF, FWGDETmw-4bR-0445-GF, FWGLL11mw-002c-0429-GF, FWGLL11mw-007c-0430-GF, FWGLL2mw-262c-0423-GF, FWGLL2mw-263c-0424-GF, and FWGLL3mw-242c-0426-GF.	<5x=B
25. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 7

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 6010B/6020

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
26. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; 60%-LL= J/UJ; <60%=J/R
27. Was a MS prepared with each batch?	✓				LCG Table 7
28. Was the MS parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
29. Were the MS recoveries within 75-125%?	✓				LCG Table 7 >125% = J 30% - 75% = J/UJ <30% = J/R
30. Was the lab sample duplicate RPD ≤20%?		✓		Copper lab duplicate RPD was 200%. All detected results were qualified "J'.	LCG Table 7 >20% = J
31. Was a Post Digestion Spike analyzed as needed? Were results within 75-125%?			✓		LCG Table 7 >125%=J; 30-75%=J/UJ; <30%=R
32. Was a serial dilution performed as needed?	✓				
33. Was the 4 fold dilution within ± 10% of the original result?	✓				LCG Table 7 >10%=J
34. Was a field duplicate analyzed? Were the RPDs ± 30%?		✓		Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW. Copper and Nickel had RPDs above the control limits. The detected results were qualified "J".	QAPP Table 3-2 >30% = J
35. Were sample concentrations within calibration range?	✓				
36. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
37. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 7 and Attachment A "Data Validation Guidelines:

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 6010B/6020

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 335470, 335467, 335476, 335474, 230636, 335469, 330434, 335468, 335475	
2. Were samples preserved properly and received in good condition?	✓			16 Coolers were received between 1.4 and 5.4°C	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07 and 4/17/07, digested on 4/19/07, analyzed on 4/20/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3.8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 5 standards and a blank?	✓				LCG Table 9 R
8. Was the correlation coefficient ≥ 0.995 for Hg?	✓				LCG Table 9 R<0.995=J/R
9. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			*3/8/07*	LCG Table 9 R
10. Was a MRL Level Verification performed at the beginning of every daily analytical sequence with 70-130%?	✓				LCG Table 9 >130%=J; 70-65%=J/UJ; <65%=J/R
11. Was the ICV analyzed after the ICAL but before samples with recoveries between 80-120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ; <75%=J/R
12. Was the ICB analyzed after the ICAL with results <1/2 the MRL?	✓				LCG Table 9 <5x = U
13. Were the CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 9
14. Were CCV results within 80 to 120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ; <75%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Were the CCBs analyzed every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?	✓				LCG Table 9 <5x = U
16. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 9
17. Were target analytes detected in the method blank <1/2 the MRL?	✓				LCG Table 9 <5x = B
18. Was a field blank collected and analyzed?	✓			FWGEQUIPRinse1-0456-GW (4/16/07), FWGEQUIPRinse2-0457-GW (4/17/07).	
19. Were target analytes reported in the field blank analyses at <1/2 the MRL?	✓				<5x=B
20. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 9
21. Were the LCS recoveries within 80-120%?	✓				LCG Table 9 J>120%=J; 50-79%=J/UJ; <50%=R
22. Was a MS prepared with each batch?	✓				LCG Table 9
23. Was the MS parent sample a Ravenna sample?	✓			Sample FWGLL11mw-007c-0430-GW was the parent.	
24. Were the MS recoveries within 80-120%?	✓				LCG Table 9 >125% = J 30% - 75% = J/UJ <30% = J/R
25. Was the Matrix Duplicate RPD ± 20%?	✓				LCG Table 9 >20% = J
26. Was a field duplicate analyzed? Were the RPDs ± 30%?	✓			Sample FWGLL11mw-DUP5-0455-GW was the field duplicate of FWGLL11mw-002C-0429-GW.	QAPP Table 3-2
27. Were sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ June 24, 2007

SDG: A7D180106 R0
Analysis: SW846 7470A

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
29. Were lab comments included in report? If yes, summarize contents.	X			Comments on the MS/MSD	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 9 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-007C-0436-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106006

Reviewed By / Date : Heather Hedley 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	44.9		ug/L		YES																
Barium	9.9		ug/L	B	YES	J								J							L
Calcium	265000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	2.2		ug/L	B	YES	J								J							L
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	145000		ug/L		YES																
Manganese	117		ug/L	J	YES																
Nickel	3.8		ug/L	B	YES	J								J							L
Potassium	4960		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	88300		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	5610		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	7.2		ug/L	B J	YES	BUJ								J		UB					L, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-007C-0436-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106005

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.97**															
1,3,5-Trinitrobenzene	0.097		ug/L	U	YES																
1,3-Dinitrobenzene	0.097		ug/L	U	YES																
2,4,6-TNT	0.097		ug/L	U	YES																
2,4-Dinitrotoluene	0.097		ug/L	U	YES																
2,6-Dinitrotoluene	0.097		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.097		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.097		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.097		ug/L	U	YES																
Nitrobenzene	0.097		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.097		ug/L	U	YES																
TETRYL	0.097		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-007C-0436-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106005

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-007C-0436-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106005

Reviewed By / Date : Heather Melley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-007C-0436-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106005

Reviewed By / Date : Heather Holley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-007C-0436-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106005

Reviewed By / Date : Heather Nulley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGCBPmw-007C-0436-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106005

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDA2mw-DET1bR-0437-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106022

Reviewed By / Date : Heather Reilly 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	28.8		ug/L		YES																
Calcium	81000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	27300		ug/L		YES																
Manganese	347		ug/L	J	YES																
Nickel	1.7		ug/L	B	YES	J								J							L
Potassium	1320		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	9250		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	952		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	10.4		ug/L	J	YES	J B										J B					N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDA2mw-DET1bR-0437-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106021

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.96**															
1,3,5-Trinitrobenzene	0.096		ug/L	U	YES																
1,3-Dinitrobenzene	0.096		ug/L	U	YES																
2,4,6-TNT	0.096		ug/L	U	YES																
2,4-Dinitrotoluene	0.096		ug/L	U	YES																
2,6-Dinitrotoluene	0.096		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.096		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.096		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.096		ug/L	U	YES																
Nitrobenzene	0.096		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.096		ug/L	U	YES																
TETRYL	0.096		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDA2mw-DET1bR-0437-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106021

Reviewed By / Date : Heather Mackey 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDA2mw-DET1bR-0437-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106021

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																UJ
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ									R		Pj-,J-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDA2mw-DET1bR-0437-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106021

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDA2mw-DET1bR-0437-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106021

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDA2mw-DET1bR-0437-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106021

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	**UJ**							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	**UJ**							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-3bR-0444-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106026

Reviewed By / Date : Heather McKay 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	8.6		ug/L		YES																
Barium	52.3		ug/L		YES																
Calcium	91000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.4		ug/L	B	YES	J						J		J							L, Z
Lead	3.0		ug/L	U	YES																
Magnesium	33300		ug/L		YES																
Manganese	291		ug/L	J	YES																
Nickel	1.6		ug/L	B	YES	J								J							L
Potassium	1600		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	13200		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															PJ-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	1990		ug/L		YES	J															PJ
Thallium	1.0		ug/L	U	YES																
Zinc	7.8		ug/L	B J	YES	UJ								J		UJ					L, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-3bR-0444-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106025

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.099		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-3bR-0444-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106025

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-3bR-0444-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106025

Reviewed By / Date : Heather Melley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-3bR-0444-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106025

Reviewed By / Date : Heather Hedley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	4.6		ug/L	J	YES	J								J							L
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-3bR-0444-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106025

Reviewed By / Date : Heather Nelley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.1		ug/L		YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-3bR-0444-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106025

Reviewed By / Date : Heather Hedley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.0090		mg/L	B J	YES	~~UJ~~ BJ			~~U~~ B					J							L
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-4bR-0445-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106012

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	43.7		ug/L		YES																
Calcium	140000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.5		ug/L	B	YES	J						J		J							L, Z
Lead	3.0		ug/L	U	YES																
Magnesium	28700		ug/L		YES																
Manganese	1.6		ug/L	B J	YES	J								J							L
Nickel	10.0		ug/L	U	YES																
Potassium	1470		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	3750		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	528		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	12.1		ug/L	J	YES	BJ										UB					N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-4bR-0445-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106011

Reviewed By / Date : Heather McEvoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-4bR-0445-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106011

Reviewed By / Date : Heather Medley 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	0.30		ug/L	J	YES	J								J							L
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-4bR-0445-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106011

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-4bR-0445-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106011

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.9		ug/L	J	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGDETmw-4bR-0445-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106011

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.13		ug/L	U	YES																
1,3-Dinitrobenzene	0.13		ug/L	U	YES																
2,4,6-TNT	0.13		ug/L	U	YES																
2,4-Dinitrotoluene	0.13		ug/L	U	YES																
2,6-Dinitrotoluene	0.13		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.13		ug/L	U	YES																
2-Nitrotoluene	0.11		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.63		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.13		ug/L	U	YES																
4-Nitrotoluene	0.63		ug/L	U	YES																
HMX	1.0		ug/L		YES																
Nitrobenzene	0.13		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.50		ug/L		YES																
TETRYL	0.13		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse1-0456-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106015

Reviewed By / Date : Heather Melley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.97**															
1,3,5-Trinitrobenzene	0.097		ug/L	U	YES																
1,3-Dinitrobenzene	0.097		ug/L	U	YES																
2,4,6-TNT	0.097		ug/L	U	YES																
2,4-Dinitrotoluene	0.097		ug/L	U	YES																
2,6-Dinitrotoluene	0.097		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.097		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.097		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.097		ug/L	U	YES																
Nitrobenzene	0.097		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.097		ug/L	U	YES																
TETRYL	0.097		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse1-0456-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106015

Reviewed By / Date : Heather McEvoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse1-0456-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106015

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.21		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	0.76		ug/L	J	YES	J								J							L

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse1-0456-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106015

Reviewed By / Date : Heather Nelday 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse1-0456-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106015

Reviewed By / Date : Heather Melby 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse1-0456-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106015

Reviewed By / Date : Heather McElroy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse1-0456-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106015

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	10.0		ug/L	U	YES																
Calcium	1000		ug/L	U	YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	1000		ug/L	U	YES																
Manganese	10.0		ug/L	U	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	143		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	1000		ug/L	U	YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	20.0		ug/L	U	YES	UJ															Pj-
Thallium	1.0		ug/L	U	YES																
Zinc	5.3		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse2-0457-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106017

Reviewed By / Date : Heather Melby 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.98**															
1,3,5-Trinitrobenzene	0.098		ug/L	U	YES																
1,3-Dinitrobenzene	0.098		ug/L	U	YES																
2,4,6-TNT	0.098		ug/L	U	YES																
2,4-Dinitrotoluene	0.098		ug/L	U	YES																
2,6-Dinitrotoluene	0.098		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.098		ug/L	U	YES																
2-Nitrotoluene	0.49		ug/L	U	YES																
3-Nitrotoluene	0.49		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.098		ug/L	U	YES																
4-Nitrotoluene	0.49		ug/L	U	YES																
HMX	0.098		ug/L	U	YES																
Nitrobenzene	0.098		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.098		ug/L	U	YES																
TETRYL	0.098		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse2-0457-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106017

Reviewed By / Date : Heather Nelley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.067		ug/L	PG	YES	J							J								G, P
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse2-0457-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106017

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.26		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	0.64		ug/L	J	YES	J								J							L

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse2-0457-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106017

Reviewed By / Date : Heather Hedley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse2-0457-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106017

Reviewed By / Date : Heather McKay 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse2-0457-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106017

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGEQUIPRinse2-0457-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106017

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	10.0		ug/L	U	YES																
Calcium	95.0		ug/L	B	YES	J								J							L
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	1.9		ug/L	B	YES	J						J		J							L, Z
Lead	3.0		ug/L	U	YES																
Magnesium	1000		ug/L	U	YES																
Manganese	10.0		ug/L	U	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	148		ug/L	B J	YES	J								J							L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	1000		ug/L	U	YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	20.0		ug/L	U	YES	UJ															Pj-
Thallium	1.0		ug/L	U	YES																
Zinc	5.1		ug/L	B J	YES	J								J							L
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-002C-0429-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106020

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	26.1		ug/L		YES																
Calcium	93400		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.0		ug/L	B	YES	J						J		J							L, Z, Pj
Lead	3.0		ug/L	U	YES																
Magnesium	23900		ug/L		YES																
Manganese	277		ug/L	J	YES																
Nickel	10.0		ug/L	U	YES																P
Potassium	1390		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	6240		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	20.5		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	1.2		ug/L		YES																
Iron	402		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	19.5		ug/L	J	YES	Pj										Pj					N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-002C-0429-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106019

Reviewed By / Date : Heather Reddy 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.099		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-002C-0429-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106019

Reviewed By / Date : Heather McKay 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.21		ug/L	PG	YES	B										VB					P W
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.031		ug/L	J	YES	J								J							L, R
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-002C-0429-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106019

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-002C-0429-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106019

Reviewed By / Date : Heather Melby 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-002C-0429-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106019

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-002C-0429-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106019

Reviewed By / Date : Heather Medley 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-007C-0430-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106010

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	18.2		ug/L		YES																
Barium	88.1		ug/L		YES																
Calcium	90500		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	32200		ug/L		YES																
Manganese	214		ug/L	J	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	1310		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	13600		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	1560		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	6.7		ug/L	B J	YES	~~J~~								J		~~J~~					L, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-007C-0430-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106009

Reviewed By / Date : Heather Reddy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.97**															
1,3,5-Trinitrobenzene	0.097		ug/L	U	YES																
1,3-Dinitrobenzene	0.097		ug/L	U	YES																
2,4,6-TNT	0.097		ug/L	U	YES																
2,4-Dinitrotoluene	0.097		ug/L	U	YES																
2,6-Dinitrotoluene	0.097		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.097		ug/L	U	YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.097		ug/L	U	YES																
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.097		ug/L	U	YES																
Nitrobenzene	0.097		ug/L	U	YES																
NITROGLYCERINE	0.63		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.63		ug/L	U	YES																
RDX	0.097		ug/L	U	YES																
TETRYL	0.097		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-007C-0430-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106009

Reviewed By / Date : Heather Nelly 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ	UJ										H-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ	UJ										H-,J-
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.038		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-007C-0430-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106009

Reviewed By / Date : Heather Reilly 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R					UJ										Pj-,H-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ	UJ										Pj-,J-,H-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-007C-0430-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106009

Reviewed By / Date : Heather McElroy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-007C-0430-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106009

Reviewed By / Date : Heather Holley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	0.90		ug/L	J	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R	UJ										I,J-,H-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-007C-0430-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106009

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	**UJ**							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	**UJ**							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-DUP5-0455-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106014

Reviewed By / Date : Heather Medley 9/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	25.1		ug/L		YES																
Calcium	89500		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	5.0		ug/L	U	YES																P
Lead	3.0		ug/L	U	YES																
Magnesium	23000		ug/L		YES																
Manganese	272		ug/L	J	YES																
Nickel	3.4		ug/L	B	YES	J								J							L, Pj
Potassium	1340		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	5840		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	27.3		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	1.1		ug/L		YES																
Iron	424		ug/L		YES	J															
Thallium	1.0		ug/L	U	YES																
Zinc	19.6		ug/L	J	YES	BB										VBB					N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-DUP5-0455-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106013

Reviewed By / Date : Heather Nelley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.099		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-DUP5-0455-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106013

Reviewed By / Date : Heather McDay 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-DUP5-0455-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106013

Reviewed By / Date : Heather Medley 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-DUP5-0455-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106013

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-DUP5-0455-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106013

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL11mw-DUP5-0455-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106013

Reviewed By / Date : Heather Nedley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-083C-0421-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106008

Reviewed By / Date : Heather Reddy 6/25/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	16.4		ug/L		YES																
Calcium	17300		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	6.8		ug/L		YES																
Copper	2.9		ug/L	B	YES	J						J		J							L, Z
Lead	3.0		ug/L	U	YES																
Magnesium	4490		ug/L		YES																
Manganese	427		ug/L	J	YES																
Nickel	26.9		ug/L		YES																
Potassium	2280		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	11800		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	640		ug/L		YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	0.19		ug/L	B	YES	J								J							L
Cadmium	0.29		ug/L	B	YES	J								J							L
Iron	61.2		ug/L		YES	J															Pj
Thallium	0.041		ug/L	B	YES	J								J							L
Zinc	38.3		ug/L	J	YES																
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-083C-0421-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106007

Reviewed By / Date : Heather Reddy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 4.82**															
1,3,5-Trinitrobenzene	6.5		ug/L		YES	J							J								G-
1,3-Dinitrobenzene	0.48		ug/L	U	YES	R							R								G-
2,4,6-TNT	5.3		ug/L		YES	J							J								G-
2,4-Dinitrotoluene	2.6		ug/L		YES	J							J								G-
2,6-Dinitrotoluene	1.0		ug/L		YES	J							J								G-
2-Amino-4,6-dinitrotoluene	16		ug/L		YES	J							J								G-
2-Nitrotoluene	2.4		ug/L	U	YES	R							R								G-
3-Nitrotoluene	2.4		ug/L	U	YES	R							R								G-
4-Amino-2,6-Dinitrotoluene	24		ug/L		YES	J							J								G-
4-Nitrotoluene	2.4		ug/L	U	YES	R							R								G-
HMX	0.18		ug/L	J	YES	J							J	J							L, G-
Nitrobenzene	0.48		ug/L	U	YES	R							R								G-
NITROGLYCERINE	3.1		ug/L	U	YES	R							R								G-
Pentaerythritol Tetranitrate (PETN)	3.1		ug/L	U	YES	R							R								G-
RDX	0.48		ug/L	U	YES	R							R								G-
TETRYL	0.48		ug/L	U	YES	R							R								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-083C-0421-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106007

Reviewed By / Date : Heather Kelly 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.024		ug/L	J	YES	J								J							L
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.011		ug/L	J	YES	J								J							L
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.17		ug/L	PG	YES	J															PJ
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.044		ug/L	PG	YES	J															PJ
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.028		ug/L	J	YES	J								J							L
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-083C-0421-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106007

Reviewed By / Date : Heather Hedley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-083C-0421-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106007

Reviewed By / Date : Heather McKay 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	2.3		ug/L	J	YES	J								J							L
2,6-Dinitrotoluene	1.6		ug/L	J	YES	J								J							L
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-083C-0421-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106007

Reviewed By / Date : Heather Mellen 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-083C-0421-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106007

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-262C-0423-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106024

Reviewed By / Date : Heather Nedley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	15.2		ug/L		YES																
Calcium	42500		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	1.3		ug/L	B	YES	J								J							L
Copper	1.8		ug/L	B	YES	J						J		J							L, Z
Lead	3.0		ug/L	U	YES																
Magnesium	30300		ug/L		YES																
Manganese	281		ug/L	J	YES																
Nickel	14.3		ug/L		YES																
Potassium	1600		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	9180		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	3.4		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	200		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	6.6		ug/L	B J	YES	BJ								J		KB					L, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-262C-0423-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106023

Reviewed By / Date : Heather Medley 6/26/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-262C-0423-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106023

Reviewed By / Date : Heather Nelley 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-262C-0423-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106023

Reviewed By / Date : Heather Reddy 9/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-262C-0423-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106023

Reviewed By / Date : Heather McElroy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-262C-0423-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106023

Reviewed By / Date : Heather Nelley 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.52		ug/L	U	YES																
3-Nitrotoluene	0.52		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.52		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-263C-0424-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106004

Reviewed By / Date : Heather Reilly 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	12.9		ug/L		YES																
Barium	19.2		ug/L		YES																
Calcium	29600		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	2.4		ug/L	B	YES	J								J							L
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	12900		ug/L		YES																
Manganese	1200		ug/L	J	YES																
Nickel	5.7		ug/L	B	YES	J								J							L
Potassium	602		ug/L	B J	YES	~~J~~ UJ								J		UB					L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	5240		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	4160		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	6.6		ug/L	B J	YES	~~J~~ UJ								J		UB					L, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-263C-0424-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106003

Reviewed By / Date : Heather Kelley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-263C-0424-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106003

Reviewed By / Date : Heather Mallory 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-263C-0424-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106003

Reviewed By / Date : [signature] 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES	UJ							UJ								G-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ							UJ								G-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ							UJ								G-
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES	UJ							UJ								G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-263C-0424-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106003

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES	UJ							UJ								G-
Benzyl alcohol	5.0		ug/L	U	YES	UJ							UJ								G-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL2mw-263C-0424-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106003

Reviewed By / Date : Heather Mallory 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES	UJ							UJ								G-
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES	UJ							UJ								G-
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.51		ug/L	U	YES																
3-Nitrotoluene	0.51		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.51		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.48		ug/L	J	YES	J								J							L
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-240C-0426-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106028

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	8.5		ug/L	B	YES	J								J							L
Calcium	11700		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	2.6		ug/L	B	YES	J						J		J							L, F
Lead	3.0		ug/L	U	YES																
Magnesium	5750		ug/L		YES																
Manganese	7.7		ug/L	B J	YES	J								J							L
Nickel	8.2		ug/L	B	YES	J								J							L
Potassium	721		ug/L	B J	YES	~~UJ~~ J								J		J					L
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	9480		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	11.8		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	51.2		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	8.2		ug/L	B J	YES	~~BJ~~ UJ								J		UB					L, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-240C-0426-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D180106027

Reviewed By / Date : Heather Reilley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.099		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-240C-0426-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106027

Reviewed By / Date : Heather Kelley 4/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.021		ug/L	J	YES	J							J	J							L, G
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-240C-0426-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106027

Reviewed By / Date : Heather Reilly 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-240C-0426-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106027

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-240C-0426-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106027

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-240C-0426-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106027

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-198C-0427-GF **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D180106002

Reviewed By / Date : Heather Reddy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	12.8		ug/L		YES																
Calcium	29200		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	1.4		ug/L	B	YES	J								J							L
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	14100		ug/L		YES																
Manganese	1330		ug/L	J	YES																
Nickel	36.6		ug/L		YES																
Potassium	1060		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	9650		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	28.2		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	5400		ug/L		YES	J															Q
Thallium	1.0		ug/L	U	YES																
Zinc	94.6		ug/L	J	YES																
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-198C-0427-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RE** **Sample Matrix :** AQ

Lab Sample ID: A7D180106001

Reviewed By / Date : Heather Reddy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
4,4'-DDE	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
4,4'-DDT	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Aldrin	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
alpha-BHC	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
alpha-Chordane	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
beta-BHC	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
delta-BHC	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Dieldrin	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Endosulfan I	0.025		ug/L	U	YES	UJ		UJ		UJ			UJ								G-,D-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ		UJ		UJ			UJ								G-,D-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Endrin	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Endrin aldehyde	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Endrin ketone	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
gamma-BHC	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
gamma-Chlordane	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Heptachlor	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ		UJ					UJ								G-,D-
Methoxychlor	0.038		ug/L	J	YES	J		J					J	J							L,G,P
Toxaphene	2.0		ug/L	U	YES	UJ		UJ					UJ								G-,D-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-198C-0427-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106001

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	No	R							R								G-
4,4'-DDE	0.030		ug/L	U	No	R							R								G-
4,4'-DDT	0.030		ug/L	U	No	R							R								G-
Aldrin	0.030		ug/L	U	No	R							R								G-
alpha-BHC	0.030		ug/L	U	No	R							R								G-
alpha-Chordane	0.030		ug/L	U	No	R							R								G-
beta-BHC	0.030		ug/L	U	No	R							R								G-
delta-BHC	0.030		ug/L	U	No	R							R								G-
Dieldrin	0.030		ug/L	U	No	R							R								G-
Endosulfan I	0.025		ug/L	U	No	R				UJ			R								G-,J-
Endosulfan II	0.025		ug/L	U	No	R				UJ			R								G-,J-
Endosulfan sulfate	0.030		ug/L	U	No	R							R								G-
Endrin	0.030		ug/L	U	No	R							R								G-
Endrin aldehyde	0.030		ug/L	U	No	R							R								G-
Endrin ketone	0.030		ug/L	U	No	R							R								G-
gamma-BHC	0.030		ug/L	U	No	R							R								G-
gamma-Chlordane	0.030		ug/L	U	No	R							R								G-
Heptachlor	0.030		ug/L	U	No	R							R								G-
Heptachlor epoxide	0.030		ug/L	U	No	R							R								G-
Methoxychlor	0.10		ug/L	U	No	R							R								G-
Toxaphene	2.0		ug/L	U	No	R							R								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-198C-0427-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106001

Reviewed By / Date : Heather Nelley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES	R															Pj-
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																
Bromoform	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Bromomethane	1.0		ug/L	U	YES																
Carbon disulfide	1.0		ug/L	U	YES	UJ															Pj-
Carbon tetrachloride	1.0		ug/L	U	YES																
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES	UJ				UJ											J-
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Dibromochloromethane	1.0		ug/L	U	YES																
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-198C-0427-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106001

Reviewed By / Date : Heather Melby 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	UJ															Pj-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-198C-0427-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106001

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-198C-0427-GW **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106001

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.57		ug/L	J	YES	J								J							L
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRinse TRIP BLANK **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106032

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.34		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRinse TRIP BLANK **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106032

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTeam1 TRIP BLANK **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106029

Reviewed By / Date : Heather Mobley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.35		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTeam1 TRIP BLANK **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106029

Reviewed By / Date : Heather McCoy 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWG-Team2-TRIP **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106030

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.36		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWG-Team2-TRIP **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106030

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTeam3 TRIP BLANK **Lab Report Batch :** A7D180106 **Lab ID :** STLCAN

Sample Date : 04/17/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D180106031

Reviewed By / Date : Heather Medley 6/24/07 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.35		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTeam3 TRIP BLANK
Lab Report Batch : A7D180106
Lab ID : STLCAN
Sample Date : 04/17/2007
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: A7D180106031

Reviewed By / Date : Heather Medley 6/24/07
Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P

Category	Code
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z
Categories not Assessed by Automated Data Review*	
Internal Standards	Is
Calibration Blanks	Cb
Resolution Check Mixture	Rm
Performance Evaluation Mixture	Pm
Professional Judgement	Pj

* Qualifiers for data-review categories not assessed by automated data review are manually entered by the user. The application automaticallly adds reason codes listed here when the user manually adds qualifiers for these categories if the option for applying reason codes was selected during automated data review.

CASE NARRATIVE

A7D180106

The following report contains the analytical results for twenty-six water samples and four quality control samples submitted to STL North Canton by Environmental Quality Mgt. Inc. from the RVAAP Site, project number W912QR-04-D-0036. The samples were received April 18, 2007, according to documented sample acceptance procedures.

The Nitrocellulose as N, Explosives, and Nitroguanidine analyses were performed at the STL West Sacramento laboratory. Refer to STL West Sacramento narrative included in their data package for additional information.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Eric Corbin and Heather Medley on May 04, 2007. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 1.4 to 5.4°C.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for FWGLL11mw-007C-0430-GW had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The matrix spike/matrix spike duplicate(s) for batch(es) 7114103 and 7114116 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

GC/MS SEMIVOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

PESTICIDES-8081

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The analyses reported herein were performed using an instrument that has two columns(GC) or detectors(HPLC), one of which is used to confirm the results of the other. Peak interferences may result in some cases, which cause a quantitation difference between the two columns/detectors. If the difference between the two results is greater than 40%, the higher of the two results or the primary column/detector is normally reported. The reported results are flagged with "PG".

CASE NARRATIVE (continued)

PESTICIDES-8081 (continued)

The matrix spike/matrix spike duplicate(s) for FWGLL11mw-007C-0430-GW had RPD's and recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

The surrogate recovery was out in sample(s) FWGLL4mw-198C-0427-GW. Reextraction and/or reanalysis performed in accordance with exceeded criteria corrective action required by QAPjP. Reextraction and/or reanalysis resulted in all surrogate recoveries within QC limits, but the reextraction was performed outside of the recommended holding time. Both sets of data have been reported.

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analytes(s).

The matrix spike/matrix spike duplicate(s) for FWGLL11mw-007C-0430-GW had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)
-

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

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CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER A7D180106

General Comments
The samples were received at 0 degrees C. but did not appear to be frozen.

WATER, 8330, Explosives
Sample(s): 7
This sample showed no surrogate recovery due to visible matrix interferences.

Samples: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27
These samples were analyzed without bracketing MRL standards for Nitroglycerin & PETN since these analytes were requested after the samples had already been analyzed.

WATER, 353.2, Nitrocellulose as N
Sample(s): 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27
The matrix spikes, which were performed on sample 9, showed a low matrix spike duplicate recovery due to possible matrix interferences. Since the laboratory control sample showed acceptable recoveries, no corrective action was performed.

There were no other anomalies associated with this project.

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: EDM	Project Manager: John Miller	Date: 4-17-07	Chain of Custody Number: 335470
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 7500 (fax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP PM# 30240.0006 OH	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 POH 12433			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCBs 8082	Explo 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGLL2mw-262C-0423-GW	4-17-07	1415		X			10				1		X	X	X	X	X	X	X		
FWGL2mw-262C-0423-GF	4-17-07	1415							1											X	field filtered

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other Per SOW

QC Requirements (Specify): metals field filtered

1. Relinquished By: [signature]	Date: 4-17-07	Time: 1830	1. Received By: Rick Robison	Date: 4-17-07	Time: 1830
2. Relinquished By: Rick Robison	Date: 4-17-07	Time: 1930	2. Received By: [signature]	Date: 4/18/07	Time: 0700
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: Coder ID# 4021

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

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Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

21

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4-17-07	Chain of Custody Number: 335467
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 5138257500 (FAX 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP PN: 30240.0006 OH	Carrier/Waybill Number: N/A		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 POH 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pesticides 8081	PCBs 8082	Explosives 8330	Propellants	Cyanide 9012	metals	Special Instructions/ Conditions of Receipt
FWGDETmw-3b R-0444-GW	4-17-07	1010		X			10				1		X	X	X	X	X	X			
FWGDETmw-3bR-0444-GF	4-17-07	1010		X						1										X	Field filtered
FWGDETeq																					

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other Per SOW

QC Requirements (Specify): Metals were field filtered

		Date	Time
1. Relinquished By		4-17-07	1830
2. Relinquished By	Rick Robison	4-17-07	1930
3. Relinquished By			

		Date	Time
1. Received By	Rick Robison	4-17-07	1930
2. Received By		4/18/07	0700
3. Received By			

Comments: Temperatures may not meet requirements due to being collected today Cooler ID# P121

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

22

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
EQM	John Miller	4-17-07	335476
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
1800 Carillon Blvd	513 825 7500 (Fax 7495)		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Cincinnati / OH / 45240		Mark Loeb	
Project Name and Location (State)	**Carrier/Waybill Number**		
RVAAP Ohio / PN#30240.0006	NA		
Contract/Purchase Order/Quote No.			
W9120R-04-D-0036 Po# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGLL2mw-263C-0424-GF	4-17-07	1540		X					1				X							X	Field Filtered.
FWGLL2-mw-263C-0424-GW	4-17-07	1540					10				1			X	X	X	X	X			

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Person

QC Requirements (Specify)

metals were field filtered

	Relinquished By	Date	Time	Received By	Date	Time
1.		4-17-07	1830	Rick Robson	4-17-07	1830
2.	Rick Robson	4-17-07	1930		4/18/07	0700
3.						

Comments

late Sample may not sufficiently cool prior to vin Cooler ID# 4031

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

23

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4/16/07	Chain of Custody Number: 335474
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 7500 (Pax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP PN#30240.0002e OHIO	Carrier/Waybill Number: N/A.		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCB 8082	Explo 8330	Propellants	Cyanide 9012	metals
FWGLL1mw-083C-0421-GW	4/16/07	1805		X			10			3	1		X	X	X	X	X	X	X	
FWGLL1mw-083C-0421-GF	4/16/07	1805		X					1											X
FWGEQUIPRinse1-0456-GW	4/16/07	1850		X			10		1	3	1		X	X	X	X	X	X	X	X
FWG Rinse Trip Blank	4/16/07	0800		X						B2 EC 4/16/07			X							

Special Instructions/ Conditions of Receipt: Field Filtered

EQ 4/16/07

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other per SOW

QC Requirements (Specify): metals were field filtered

1. Relinquished By: Erik Carlson EQ	Date: 4/16/07	Time: 19:15	1. Received By: RVAAP Secured Refrigerator #2	Date: 4/16/07	Time: 19:15
2. Relinquished By: [illegible] EQ	Date: 4/17/07	Time: 1830	2. Received By: Rick Robison	Date: 4-17-07	Time: 1830
3. Relinquished By: Rick Robison	Date: 4-17-07	Time: 1930	3. Received By: [signature]	Date: 4/18/07	Time: 0700

Comments: Marked coolers day may not cool totally prior to check-in Cooler ID# L017, #7

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4/17/07	Chain of Custody Number: 230636
Address: 1800 Carillon Blvd.	Telephone Number (Area Code)/Fax Number: 513 825-7500	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP PN 30240.0006	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO # 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOC 8270	Pest 8081	PCB 8082	Exp. 8330	Propellants	Cyanide	Metals	Special Instructions/ Conditions of Receipt
FWGEQUIPRinse2-0457-GW	4/17/07	1740		X			10		1		1		X	X	X	X	X	X	X	

4/17/07 EC

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Per SOW

QC Requirements (Specify)

1. Relinquished By	Date: 4-17-07	Time: 1820	1. Received By: Rick Rosario	Date: 4-17-07	Time: 1830
2. Relinquished By: Rick Rosario	Date: 4-17-07	Time: 1938	2. Received By	Date: 4/18/07	Time: 0700
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments: Collected @ end of day. May not cool totally prior to check. Cooler ID - 4027

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

25

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4-17-07	Chain of Custody Number: 335469
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 1500 (fax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP Proj# 30240.0004 OH	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 POH 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pesticides 8081	PCBs 8082	Explosives 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGDA2mw-DET16R-0437-GM	4-17-07	1145		X			10				1		X	X	X	X	X	X			
FWGDA2mw-DET16R-0437-GF	4-17-07	1145		X						1										X	Metals field filtered

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other per SOW

QC Requirements (Specify): metals field filtered

	Date	Time		Date	Time
1. Relinquished By: Cesar Roman	4-17-07	1830	1. Received By: Rick Robson	4-17-07	1830
2. Relinquished By: Rick Robson	4-17-07	1930	2. Received By:	4/18/07	0700
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments: Temperatures may not meet requirements due to being collected today. Cooler ID# 4103

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.
Canton, OH

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Environmental Quality Management	John Miller	4/16/07	330434
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
1800 Carillon Blvd.	513 825 7500 (7495 FAX)		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Cincinnati / OH / 45240		Mark Loeb	
Project Name and Location (State)	**Carrier/Waybill Number**		
RVAAP PM# 30240.0006 OH	NA		
Contract/Purchase Order/Quote No.			
PO # 12633 W912QR-04-D-0036			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: VOC 8260	SVOC 8270	Pesticides 8081	PCB 8082	Explosives 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGLL11mw-007C-0430-GW	4/17/06	11:12		X			30			9	3		X	X	X	X	X	X	X		MS/MSD
FWGLL11mw-007C-0430-GF	4/17/06	11:12		X					3											X	MS/MSD
FWGLL11mw-002C-0429-GW	4/17/06	14:25		X			10			3	1		X	X	X	X	X	X	X		
FWGLL11mw-002C-0429-GF	4/17/06	14:25		X					1											X	
FWGLL11mw-Dup5-0455-GW	4/17/06	14:25		X			10			3	1		X	X	X	X	X	X	X		
FWGLL11mw-Dup5-0455-GF	4/17/06	14:25		X					1											X	
FWG Team 3 Trip Blank	4/17/06	08:00		X						2			X								

EC 4/17/07

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other Per SOW

QC Requirements (Specify): Metals are field filtered

	Relinquished By	Date	Time	Received By	Date	Time
1.		4-17-07	1830	Rick Rossano	4-17-07	1830
2.	Rick Rossano	4-17-07	1930		4/18/07	0700
3.						

Comments: Temperatures may not meet requirements due to being collected today. Cooler ID# 1 thru 5

5 coolers on chain

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

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Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

27

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 4-17-07	Chain of Custody Number: 335468
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825-7500 (FAX 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP PN# 30240.0006 OH	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pesticides 8081	PCB 8082	Explosive 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGDETmw-46R-0445GW	4-17-07	0920		X			7			3			X	X	X	X	X	X	X	X (2)	Metal field filtered
FWGDETmw-46R-0445GF	4-17-07	0920		X					1	1										X	
~~FWGDETmw-46R0~~				X																	
FWGDETmw-36R-0444-GW	4-17-07	1010		X						3			X								
FWGLL2mw-262C-0423GW	4-17-07	1415		X						3			X								
FWGLL2mw-263C-0424-GW	4-17-07	1540		X						3			X								
FWGDA2MW-DET16R-0437-GW	4-17-07	1145		X						3			X								
FWG-TEAM2-TRIP	4-17-07	0800		X						2			X								

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other Per SOW

QC Requirements (Specify): Metals were field filtered

1. Relinquished By	Date 4-17-07	Time 1830	1. Received By: Rick Robison	Date 4-17-07	Time 1830
2. Relinquished By: Rick Robison	Date 4-17-07	Time 1936	2. Received By	Date 4/18/07	Time 0700
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: Temperatures may not meet requirements due to being collected today. Cooler ID# 6

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

28

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date:	Chain of Custody Number: 335475
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 7500 (fax 7495)	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP OH10 PN#30240.0006	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO#12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Pest 8081	PCBs 8082	Explo 8330	Propellants	Cyanide 9012	Metals
FWGLL4mw-198C-0427-GW	4/17/07	0905		X			10			3	1		X	X	X	X	X	X	X	
FWGLL4mw-198C-0427-GF	4/17/07	0905		X					1											X
FWGLL3mw-240C-0426-GW	4/17/07	1050		X			10			3	1		X	X	X	X	X	X	X	
FWGLL3mw-240C-0426-GF	4/17/07	1050		X					1											X
FWGCBPmw-007C-0436-GW	4/17/07	1350		X			10			3	1		X	X	X	X	X	X	X	
FWGCBPmw-007C-0436-GF	4/17/07	1350		X					1											X
FWG Team 1 Trip Blank	4/17/07	0800		X						2			X							
FWGEQUIPRinse2-0457-GW	4/17/07	1740		X						3			X							
		EC	4/17/07																	

Special Instructions/ Conditions of Receipt

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other PerSow

QC Requirements (Specify): Metals were field filtered

1. Relinquished By: [signature]	Date: 4-17-07	Time: 1830	1. Received By: Rick Robison	Date: 4-17-07	Time: 1830
2. Relinquished By: Rick Robison	Date: 4-17-07	Time: 1930	2. Received By: [signature]	Date: 4/18/07	Time: 0700
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: Temperatures may not meet requirements due to being collected today Cooler ID# 4116, 4108, A010 3 coolers on this Chain

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
007C-430	<2 <2 <2 >12 >12 >12	4/18/07	gm
46R	<2 >12		
Dup5	<2 >12		
Rinse 1	<2 >12		
Rinse 2	<2 >12		
002C	<2 >12		
1bR	<2 >12		
2&2C	<2 >12		
3bR	<2 >12		
240C	<2 >12		

Cooler	Temp	Method	Coolant

Discrepancies Cont.

STL North Canton Multiple Cooler Form

Cooler	Temp	Method	Coolant	Comments
STL no #	1.9°C	IR	Ice	
STL no #	1.9°C			
STL no #	2.5°C			
STL no #	1.6°C			
STL no #	2.7°C			
STL no #	2.9°C			
L017	3.7°C			
4027	3.6°C			
STL no #	1.9°C			
4103	1.4°C			
4021	1.8°C			
D121	2.9°C			
4108	1.6°C			
A010	5.4°C			
4031	4.0°C			
4116	5.0°C			

Revision 0, 09/19/01 DJL \\QCANOH01\public\QAQC\LAB_FORM\STL North Canton Multiple Cooler Form.doc

STL Cooler Receipt Form/Narrative **Lot Number:** A7D180106
North Canton Facility

Client: EQM Project: Quote#:
Cooler Received on: 4/18/07 Opened on: 4/18/07 by: (Signature)
Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ STL Courier ☒
Stetson ☐ US Cargo ☐ Other:
STL Cooler No# See Attached Foam Box ☐ Client Cooler ☐ Other

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐ Intact? Yes ☒ No ☐ NA ☐
   If YES, Quantity 16
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☐ No ☐ NA ☒
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other :
6. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_20 Slurry ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH upon receipt? Yes ☒ No ☐ NA ☐
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a Trip Blank present in the cooler? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM _____ Date: _____ by: _____ via Voice Mail ☐ Verbal ☐ Other ☐
Concerning:

√	
	1. CHAIN OF CUSTODY
	The following discrepancies occurred: See Attached sheet for cooler Temps.
	2. SAMPLE CONDITION
	Sample(s) _____ were received after the recommended holding time had expired.
	Sample(s) _____ were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #1101*06 - *Sulfuric Acid Lot #* 092006-*H2SO4; Sodium Hydroxide Lot #* -122805 -*NaOH; Hydrochloric Acid Lot #* 100504-*HCl; Sodium Hydroxide and Zinc Acetate Lot #* 050205-*CH3COO2ZN/NaOH*
	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials
198C	<2 >12	4/18/07	
2636	<2 >12		
007C-436	<2 >12		
083C	<2 >12		

SAMPLE SUMMARY

A7D180106

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT4MN	001	FWGLL4mw-198C-0427-GW	04/17/07	09:05
JT4MP	002	FWGLL4mw-198C-0427-GF	04/17/07	09:05
JT4MQ	003	FWGLL2mw-263C-0424-GW	04/17/07	15:40
JT4MR	004	FWGLL2mw-263C-0424-GF	04/17/07	15:40
JT4MT	005	FWGCBPmw-007C-0436-GW	04/17/07	13:50
JT4MV	006	FWGCBPmw-007C-0436-GF	04/17/07	13:50
JT4MW	007	FWGLL1mw-083C-0421-GW	04/16/07	18:05
JT4MX	008	FWGLL1mw-083C-0421-GF	04/16/07	18:05
JT4M0	009	FWGLL11mw-007C-0430-GW	04/17/07	11:12
JT4M1	010	FWGLL11mw-007C-0430-GF	04/17/07	11:12
JT4M2	011	FWGDETmw-4bR-0445-GW	04/17/07	09:20
JT4M3	012	FWGDETmw-4bR-0445-GF	04/17/07	09:20
JT4M4	013	FWGLL11mw-DUP5-0455-GW	04/17/07	14:25
JT4M5	014	FWGLL11mw-DUP5-0455-GF	04/17/07	14:25
JT4M6	015	FWGEQUIPRinse1-0456-GW	04/16/07	18:50
JT4M8	017	FWGEQUIPRinse2-0457-GW	04/17/07	17:40
JT4NC	019	FWGLL11mw-002C-0429-GW	04/17/07	14:25
JT4ND	020	FWGLL11mw-002C-0429-GF	04/17/07	14:25
JT4NE	021	FWGDA2mw-DET1bR-0437-GW	04/17/07	11:45
JT4NF	022	FWGDA2mw-DET1bR-0437-GF	04/17/07	11:45
JT4NG	023	FWGLL2mw-262C-0423-GW	04/17/07	14:15
JT4NH	024	FWGLL2mw-262C-0423-GF	04/17/07	14:15
JT4NJ	025	FWGDETmw-3bR-0444-GW	04/17/07	10:10
JT4NL	026	FWGDETmw-3bR-0444-GF	04/17/07	10:10
JT4NT	027	FWGLL3mw-240C-0426-GW	04/17/07	10:50
JT4NV	028	FWGLL3mw-240C-0426-GF	04/17/07	10:50
JT4NW	029	FWGTeam1 TRIP BLANK	04/17/07	08:00
JT4N0	030	FWG-Team2-TRIP	04/17/07	08:00
JT4N1	031	FWGTeam3 TRIP BLANK	04/17/07	08:00
JT4N3	032	FWGRinse TRIP BLANK	04/16/07	08:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

GCMS VOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AA **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	82	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ1AA **Matrix.....:** WG
Date Sampled...: 04/17/07 15:40 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	98	(50 - 150)
Toluene-d8	100	(50 - 150)
4-Bromofluorobenzene	77	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT1AA **Matrix.....:** WG
Date Sampled...: 04/17/07 13:50 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	79	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-007 **Work Order #...:** JT4MW1AA **Matrix.....:** WG
Date Sampled...: 04/16/07 18:05 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-007 **Work Order #...:** JT4MW1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(50 - 150)
1,2-Dichloroethane-d4	98	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M01AA **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M01AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	100	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AA **Matrix.....:** WG
Date Sampled...: 04/17/07 09:20 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	**0.30 J**	**1.0**	**ug/L**
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M41AA **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M41AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	98	(50 - 150)
4-Bromofluorobenzene	79	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AA **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.21 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.76 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	101	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	82	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AA **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.26 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.64 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC1AA **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	99	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	81	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

GC/MS Volatiles

Lot-Sample #...:	A7D180106-021	**Work Order #...:**	JT4NE1AA	**Matrix.....:**	WG
Date Sampled...:	04/17/07 11:45	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/24/07		
Prep Batch #...:	7114103				
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	88	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AA **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	85	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ1AA **Matrix.....:** WG
Date Sampled...: 04/17/07 10:10 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	88	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	97	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AA **Matrix.....:** WG
Date Sampled...: 04/17/07 10:50 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTeam1 TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A7D180106-029 **Work Order #...:** JT4NW1AA **Matrix.....:** WQ
Date Sampled...: 04/17/07 08:00 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.35 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTeam1 TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A7D180106-029 **Work Order #...:** JT4NW1AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-Team2-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D180106-030 **Work Order #...:** JT4N01AA **Matrix.....:** WQ
Date Sampled...: 04/17/07 08:00 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.36 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWG-Team2-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D180106-030 **Work Order #...:** JT4N01AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	100	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTeam3 TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A7D180106-031 **Work Order #...:** JT4N11AA **Matrix.....:** WQ
Date Sampled...: 04/17/07 08:00 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.35 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTeam3 TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A7D180106-031 **Work Order #...:** JT4N11AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	101	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRinse TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A7D180106-032 **Work Order #...:** JT4N31AA **Matrix.....:** WQ
Date Sampled...: 04/16/07 08:00 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.34 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRinse TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: A7D180106-032 **Work Order #...:** JT4N31AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)
Toluene-d8	92	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D180106

Lab File ID: BFB134 BFB Injection Date: 04/24/07

Instrument ID: A3UX11 BFB Injection Time: 0818

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.2
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 100.0% of mass 95	82.0
175	5.0 - 9.0% of mass 174	5.6 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	80.1 (97.6)1
177	5.0 - 9.0% of mass 176	5.1 (6.3)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXJ2735	04/24/07	0859
02	JVHL6-CHK	JVHL61AC	UXJ2737	04/24/07	0945
03	JVHL6-CKDUP	JVHL61AD	UXJ2738	04/24/07	1008
04	JVHL6-BLK	JVHL61AA	UXJ2739	04/24/07	1030
05	FWGDA2MW-DET	JT4NE1AA	UXJ2756	04/24/07	1656
06	FWGLL2MW-262	JT4NG1AA	UXJ2757	04/24/07	1719
07	FWGDEIMW-3BR	JT4NJ1AA	UXJ2758	04/24/07	1742
08	FWGLL3MW-240	JT4NT1AA	UXJ2759	04/24/07	1804
09	FWGTEAM1 TRI	JT4NW1AA	UXJ2760	04/24/07	1827
10	FWG-TEAM2-TR	JT4N01AA	UXJ2761	04/24/07	1850
11	FWGTEAM3 TRI	JT4N11AA	UXJ2762	04/24/07	1912
12	FWGRINSE TRI	JT4N31AA	UXJ2763	04/24/07	1935
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\UXJ2615.D
Report Date: 16-Apr-2007 12:00

STL North Canton

RECOVERY REPORT

Client Name:
Client SDG: SDGa01304
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 43582
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: DOD-ck.spk
Quant Type: ISTD
Sublist File: 4-8260+IX.sub
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\8260LLUX11.m
Misc Info: J70413B-IC,8260LLUX11,,43582,3

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	9.288	92.88	45-155
	42	Trichloroethene	10.000	8.918	89.18	45-155
	59	Chlorobenzene	10.000	8.867	88.67	45-155
	50	Toluene	10.000	8.507	85.07	45-155
	41	Benzene	10.000	8.960	89.60	45-155
	16	Acetone	10.000	9.217	92.17	45-155
	20	Carbon Disulfide	10.000	9.510	95.10	45-155
	9	Chloromethane	10.000	8.484	84.84	45-155
	11	Bromomethane	10.000	7.729	77.29	45-155
	10	Vinyl Chloride	10.000	8.745	87.45	45-155
	12	Chloroethane	10.000	8.429	84.29	45-155
	21	Methylene Chloride	10.000	8.364	83.64	45-155
	28	1,1-Dichloroethane	10.000	9.131	91.31	45-155
M	31	1,2-Dichloroethene	20.000	18.051	90.25	45-155
	35	Chloroform	10.000	9.220	92.20	45-155
	40	1,2-Dichloroethane	10.000	9.127	91.27	45-155
	30	2-Butanone	10.000	10.008	100.08	45-155
	37	1,1,1-Trichloroeth	10.000	9.366	93.66	45-155
	39	Carbon Tetrachlori	10.000	9.622	96.22	45-155
	46	Bromodichlorometha	10.000	9.174	91.74	45-155
	43	1,2-Dichloropropan	10.000	9.241	92.41	45-155
	48	cis-1,3-Dichloropr	10.000	8.732	87.32	45-155
	54	1,3-Dichloropropan	10.000	8.820	88.20	45-155
	57	Dibromochlorometha	10.000	9.223	92.23	45-155
	53	1,1,2-Trichloroeth	10.000	8.824	88.24	45-155
	51	trans-1,3-Dichloro	10.000	8.658	86.58	45-155
	66	Bromoform	10.000	9.264	92.64	45-155
	49	4-Methyl-2-pentano	10.000	9.459	94.59	45-155
	56	2-Hexanone	10.000	9.600	96.00	45-155
	55	Tetrachloroethene	10.000	8.641	86.41	45-155
	68	1,1,2,2-Tetrachlor	10.000	9.091	90.91	45-155
	61	Ethylbenzene	10.000	9.131	91.31	45-155
	65	Styrene	10.000	8.913	89.13	45-155
M	63	Xylenes (total)	30.000	27.454	91.51	45-155
	32	cis-1,2-dichloroet	10.000	8.928	89.29	45-155
	25	trans-1,2-Dichloro	10.000	9.122	91.22	45-155
	8	Dichlorodifluorome	10.000	6.922	69.22	45-155
	13	Trichlorofluoromet	10.000	8.853	88.53	45-155
	70	1,2,3-Trichloropro	10.000	10.756	107.56	45-155
	18	Freon-113	10.000	10.156	101.56	45-155

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2735.D
Report Date: 24-Apr-2007 09:39

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 24-APR-2007 08:59
Lab File ID: UXJ2735.D Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Analysis Type: WATER Init. Cal. Times: 11:08 22:52
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.20297	0.19753	0.19753	0.010	2.67706	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.28637	0.26157	0.26157	0.010	8.65817	50.00000	Averaged	
$ 6 Toluene-d8	1.11379	1.07409	1.07409	0.010	3.56472	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.41523	0.43757	0.43757	0.010	-5.38001	50.00000	Averaged	
8 Dichlorodifluoromethane	0.27072	0.26837	0.26837	0.010	0.86966	50.00000	Averaged	
9 Chloromethane	0.39564	0.38510	0.38510	0.100	2.66551	50.00000	Averaged	
10 Vinyl Chloride	0.40012	0.37238	0.37238	0.010	6.93163	20.00000	Averaged	
11 Bromomethane	0.22896	0.23096	0.23096	0.010	-0.87132	50.00000	Averaged	
12 Chloroethane	0.24548	0.25024	0.25024	0.010	-1.93971	50.00000	Averaged	
13 Trichlorofluoromethane	0.42317	0.45562	0.45562	0.010	-7.66928	50.00000	Averaged	
15 Acrolein	0.04093	0.03743	0.03743	0.010	8.55775	50.00000	Averaged	
16 Acetone	100	113	0.11026	0.010	-13.21597	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.27855	0.25279	0.25279	0.010	9.24742	20.00000	Averaged	
18 Freon-113	0.22289	0.21107	0.21107	0.010	5.30201	50.00000	Averaged	
19 Iodomethane	0.45809	0.39788	0.39788	0.010	13.14308	50.00000	Averaged	
20 Carbon Disulfide	0.90834	0.81962	0.81962	0.010	9.76689	50.00000	Averaged	
21 Methylene Chloride	0.32910	0.28538	0.28538	0.010	13.28580	50.00000	Averaged	
22 Acetonitrile	0.03890	0.03908	0.03908	0.010	-0.47176	50.00000	Averaged	
23 Acrylonitrile	0.10366	0.09605	0.09605	0.010	7.34805	50.00000	Averaged	
24 Methyl tert-butyl ether	0.80550	0.73658	0.73658	0.010	8.55582	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.28249	0.26468	0.26468	0.010	6.30421	50.00000	Averaged	
26 Hexane	0.05591	0.05580	0.05580	0.010	0.20046	20.00000	Averaged	
27 Vinyl acetate	0.39085	0.28520	0.28520	0.010	27.03147	50.00000	Averaged	
28 1,1-Dichloroethane	0.41072	0.41614	0.41614	0.100	-1.32012	50.00000	Averaged	
29 tert-Butyl Alcohol	0.02250	0.02032	0.02032	0.010	9.66006	50.00000	Averaged	
30 2-Butanone	0.11207	0.11357	0.11357	0.010	-1.34632	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.26268	0.25433	0.25433	0.010	3.17825	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.24287	0.24398	0.24398	0.010	-0.45770	50.00000	Averaged	
33 2,2-Dichloropropane	0.23560	0.14884	0.14884	0.010	36.82714	50.00000	Averaged	
34 Bromochloromethane	0.11503	0.11233	0.11233	0.010	2.35333	50.00000	Averaged	
35 Chloroform	0.40721	0.38858	0.38858	0.010	4.57648	20.00000	Averaged	
36 Tetrahydrofuran	0.07164	0.06760	0.06760	0.010	5.63408	50.00000	Averaged	
37 1,1,1-Trichloroethane	0.29574	0.25786	0.25786	0.010	12.80878	50.00000	Averaged	
38 1,1-Dichloropropene	0.32819	0.31906	0.31906	0.010	2.78222	50.00000	Averaged	
39 Carbon Tetrachloride	0.20937	0.16605	0.16605	0.010	20.68995	50.00000	Averaged	
40 1,2-Dichloroethane	0.36436	0.33461	0.33461	0.010	8.16515	50.00000	Averaged	
41 Benzene	1.01912	0.94622	0.94622	0.010	7.15317	50.00000	Averaged	
42 Trichloroethene	0.25900	0.23955	0.23955	0.010	7.50799	50.00000	Averaged	
43 1,2-Dichloropropane	0.26721	0.23707	0.23707	0.010	11.28046	20.00000	Averaged	
44 1,4-Dioxane	0.00229	0.00205	0.00205	0.010	10.46301	50.00000	Averaged	<-
45 Dibromomethane	0.16015	0.13830	0.13830	0.010	13.64349	50.00000	Averaged	
46 Bromodichloromethane	0.29254	0.23735	0.23735	0.010	18.86295	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.17976	0.15252	0.15252	0.010	15.15009	50.00000	Averaged	

$\frac{157.1672}{00} = 7.850$

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2735.D
Report Date: 24-Apr-2007 09:39

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 24-APR-2007 08:59
Lab File ID: UXJ2735.D Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Analysis Type: WATER Init. Cal. Times: 11:08 22:52
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.42430	0.29522	0.29522	0.010	30.42132	50.00000	Averaged
49 4-Methyl-2-pentanone	0.26133	0.21681	0.21681	0.010	17.03675	50.00000	Averaged
50 Toluene	1.42103	1.34185	1.34185	0.010	5.57250	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.45001	0.28757	0.28757	0.010	36.09647	50.00000	Averaged
52 Ethyl Methacrylate	0.40452	0.26080	0.26080	0.010	35.52926	50.00000	Averaged
53 1,1,2-Trichloroethane	0.28506	0.26278	0.26278	0.010	7.81676	50.00000	Averaged
54 1,3-Dichloropropane	0.54779	0.49227	0.49227	0.010	10.13395	50.00000	Averaged
55 Tetrachloroethene	0.25894	0.24120	0.24120	0.010	6.85146	50.00000	Averaged
56 2-Hexanone	0.19712	0.19572	0.19572	0.010	0.70775	50.00000	Averaged
57 Dibromochloromethane	0.21782	0.19598	0.19598	0.010	10.02725	50.00000	Averaged
58 1,2-Dibromoethane	0.28192	0.24186	0.24186	0.010	14.21017	50.00000	Averaged
59 Chlorobenzene	0.93614	0.88265	0.88265	0.300	5.71391	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.24369	0.18498	0.18498	0.010	24.09297	50.00000	Averaged
61 Ethylbenzene	0.51241	0.47359	0.47359	0.010	7.57598	20.00000	Averaged
62 m + p-Xylene	0.61907	0.59540	0.59540	0.010	3.82404	50.00000	Averaged
M 63 Xylenes (total)	0.60660	0.58967	0.58967	0.010	2.79056	50.00000	Averaged
64 Xylene-o	0.58164	0.57821	0.57821	0.010	0.59058	50.00000	Averaged
65 Styrene	1.01954	0.99207	0.99207	0.010	2.69426	50.00000	Averaged
66 Bromoform	0.10876	0.10459	0.10459	0.100	3.82980	50.00000	Averaged
67 Isopropylbenzene	1.38900	1.42046	1.42046	0.010	-2.26486	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.67256	0.59075	0.59075	0.300	12.16456	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.20651	0.12859	0.12859	0.010	37.73205	50.00000	Averaged
70 1,2,3-Trichloropropane	0.20152	0.17265	0.17265	0.010	14.32565	50.00000	Averaged
71 Bromobenzene	0.71748	0.62555	0.62555	0.010	12.81367	50.00000	Averaged
72 n-Propylbenzene	0.79924	0.71209	0.71209	0.010	10.90457	50.00000	Averaged
73 2-Chlorotoluene	0.71510	0.62628	0.62628	0.010	12.42008	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.45929	2.12411	2.12411	0.010	13.62927	50.00000	Averaged
75 4-Chlorotoluene	0.73494	0.66010	0.66010	0.010	10.18275	50.00000	Averaged
76 tert-Butylbenzene	2.09012	1.88583	1.88583	0.010	9.77434	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.58051	2.28474	2.28474	0.010	11.46190	50.00000	Averaged
78 sec-Butylbenzene	3.00818	2.77068	2.77068	0.010	7.89495	50.00000	Averaged
79 4-Isopropyltoluene	2.50489	2.38126	2.38126	0.010	4.93544	50.00000	Averaged
80 1,3-Dichlorobenzene	1.40543	1.30248	1.30248	0.010	7.32512	50.00000	Averaged
81 1,4-Dichlorobenzene	1.44164	1.34914	1.34914	0.010	6.41603	50.00000	Averaged
82 n-Butylbenzene	2.29208	2.21288	2.21288	0.010	3.45535	50.00000	Averaged
83 1,2-Dichlorobenzene	1.35040	1.29705	1.29705	0.010	3.95064	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.09945	0.08104	0.08104	0.010	18.51274	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.82301	0.87004	0.87004	0.010	-5.71470	50.00000	Averaged
86 Hexachlorobutadiene	0.30978	0.31660	0.31660	0.010	-2.20227	50.00000	Averaged
87 Naphthalene	50.00000	51.10902	2.16180	0.010	-2.21804	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	50.00000	57.53577	0.82757	0.010	-15.07154	0.000e+000	Wt Linear
98 Cyclohexane	0.40101	0.40924	0.40924	0.010	-2.05085	50.00000	Averaged
143 Methyl Acetate	0.23300	0.20165	0.20165	0.010	13.45337	50.00000	Averaged

$\frac{163.5055}{15} = 10.9$

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2742.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2742.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:39
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A

QCMRL
Opener

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	1,3,5-Trichlorobenzene	5.0000	4.9743	0.5	50.0	
0	Methylcyclohexane	5.0000	4.3075	13.9	50.0	
0	Methyl Acetate	10.0000	10.2394	2.4	50.0	
0	Cyclohexane	5.0000	4.7661	4.7	50.0	
0	Dichlorodifluoromethane	5.0000	4.5682	8.6	50.0	
0	Chloromethane	5.0000	5.1667	3.3	50.0	
0	Vinyl Chloride	5.0000	4.5654	8.7	20.0	
0	Bromomethane	5.0000	5.4716	9.4	50.0	
0	Chloroethane	5.0000	5.1986	4.0	50.0	
0	Trichlorofluoromethane	5.0000	4.8939	2.1	50.0	
0	Acrolein	50.0000	46.1956	7.6	50.0	
0	Acetone	10.0000	13.3166	33.2	50.0	133%
0	1,1-Dichloroethene	5.0000	4.6314	7.4	20.0	
0	Freon-113	5.0000	4.1472	17.1	50.0	
0	Iodomethane	5.0000	4.4426	11.1	50.0	
0	Carbon Disulfide	5.0000	4.7208	5.6	50.0	
0	Methylene Chloride	5.0000	6.7364	34.7	50.0	134.7
0	Acetonitrile	50.0000	58.0835	16.2	50.0	
0	Acrylonitrile	50.0000	50.5271	1.1	50.0	
0	Methyl tert-butyl ether	5.0000	4.7458	5.1	50.0	
0	trans-1,2-Dichloroethene	5.0000	4.6712	6.6	50.0	
0	Hexane	5.0000	5.0780	1.6	20.0	
0	1,2,3-Trichlorobenzene	5.0000	10.5265	110.5	50.0	<- NR
0	1,1-Dichloroethane	5.0000	4.8209	3.6	50.0	
0	tert-Butyl Alcohol	100.0000	86.1130	13.9	50.0	
0	2-Butanone	10.0000	11.4192	14.2	50.0	
0	1,2-Dichloroethene (total)	10.0000	9.5402	4.6	50.0	
0	cis-1,2-dichloroethene	5.0000	4.8691	2.6	50.0	
0	2,2-Dichloropropane	5.0000	2.8320	43.4	50.0	
0	Bromochloromethane	5.0000	5.2244	4.5	50.0	
0	Chloroform	5.0000	4.4644	10.7	20.0	
0	Tetrahydrofuran	5.0000	5.2956	5.9	50.0	
0	1,1,1-Trichloroethane	5.0000	3.7842	24.3	50.0	
0	1,1-Dichloropropene	5.0000	4.7371	5.3	50.0	
0	Carbon Tetrachloride	5.0000	2.9955	40.1	50.0	59.9
0	1,2-Dichloroethane	5.0000	4.4936	10.1	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2742.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2742.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:39
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	4.8255	3.5	50.0	
0	Trichloroethene	5.0000	4.3132	13.7	50.0	
0	1,2-Dichloropropane	5.0000	4.5929	8.1	20.0	
0	Naphthalene	5.0000	7.6135	52.3	50.0	<- MV
0	Dibromomethane	5.0000	3.9450	21.1	50.0	
0	Bromodichloromethane	5.0000	3.5852	28.3	50.0	
0	2-Chloroethyl vinyl ether	10.0000	8.7012	13.0	50.0	
0	cis-1,3-Dichloropropene	5.0000	2.9013	42.0	50.0	58
0	4-Methyl-2-pentanone	10.0000	8.2784	17.2	50.0	
0	Toluene	5.0000	4.5810	8.4	20.0	
0	trans-1,3-Dichloropropene	5.0000	2.2691	54.6	50.0	<- 45 4
0	Ethyl Methacrylate	5.0000	2.7833	44.3	50.0	
0	1,1,2-Trichloroethane	5.0000	4.6638	6.7	50.0	
0	1,3-Dichloropropane	5.0000	4.0007	20.0	50.0	
0	Tetrachloroethene	5.0000	4.4078	11.8	50.0	
0	2-Hexanone	10.0000	9.9428	0.6	50.0	
0	Dibromochloromethane	5.0000	3.3455	33.1	50.0	66.9
0	1,2-Dibromoethane	5.0000	3.4123	31.8	50.0	68.2
0	Chlorobenzene	5.0000	4.8798	2.4	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	2.7322	45.4	50.0	
0	Ethylbenzene	5.0000	4.1780	16.4	20.0	
0	m + p-Xylene	10.0000	8.4821	15.2	50.0	
0	Xylenes (total)	15.0000	12.9093	13.9	50.0	
0	Xylene-o	5.0000	4.4272	11.5	50.0	
0	Styrene	5.0000	4.3034	13.9	50.0	
0	Bromoform	5.0000	3.0521	39.0	50.0	61.0
0	Isopropylbenzene	5.0000	4.6870	6.3	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	4.1601	16.8	50.0	
0	1,4-Dichloro-2-butene	5.0000	0.0000	100.0	50.0	<- MR
0	1,2,3-Trichloropropane	5.0000	4.0833	18.3	50.0	
0	Bromobenzene	5.0000	0.0000	100.0	50.0	<- MR
0	n-Propylbenzene	5.0000	4.0026	19.9	50.0	
0	2-Chlorotoluene	5.0000	3.9214	21.6	50.0	
0	1,3,5-Trimethylbenzene	5.0000	3.7915	24.2	50.0	
0	4-Chlorotoluene	5.0000	4.0271	19.5	50.0	
0	tert-Butylbenzene	5.0000	3.8813	22.4	50.0	
0	1,2,4-Trimethylbenzene	5.0000	3.9945	20.1	50.0	
0	sec-Butylbenzene	5.0000	4.1788	16.4	50.0	
0	4-Isopropyltoluene	5.0000	4.1683	16.6	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2742.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2742.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:39
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.4900	10.2	50.0	
0	1,4-Dichlorobenzene	5.0000	4.9232	1.5	50.0	
0	n-Butylbenzene	5.0000	4.2687	14.6	50.0	
0	1,2-Dichlorobenzene	5.0000	5.2463	4.9	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	1.6541	66.9	50.0	<-
0	1,2,4-Trichlorobenzene	5.0000	5.4277	8.6	50.0	
0	Hexachlorobutadiene	5.0000	4.4485	11.0	50.0	
42	Vinyl acetate	5.0000	3.5791	28.4	50.0	
59	1,4-Dioxane	250.0000	198.8428	20.5	50.0	
150	Vinyl Acetate-86	5.0000	2.9977	40.0	50.0	
0	1,2-Dichloroethane-d4	5.0000	44.0424	780.8	50.0	<-
0	Dibromofluoromethane	5.0000	45.9746	819.5	50.0	<-
0	Toluene-d8	5.0000	47.3935	847.9	50.0	<-
0	Bromofluorobenzene	5.0000	51.0443	920.9	50.0	<-

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2764.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2764.D
Analysis Type: WATER

Injection Date: 24-APR-2007 19:58
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A

QCMRL closer

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	1,3,5-Trichlorobenzene	5.0000	4.5185	9.6	50.0	
0	Methylcyclohexane	5.0000	4.8699	2.6	50.0	
0	Methyl Acetate	10.0000	9.6749	3.3	50.0	
0	Cyclohexane	5.0000	5.1637	3.3	50.0	
0	Dichlorodifluoromethane	5.0000	5.0289	0.6	50.0	
0	Chloromethane	5.0000	5.3678	7.4	50.0	
0	Vinyl Chloride	5.0000	4.7066	5.9	20.0	
0	Bromomethane	5.0000	5.5403	10.8	50.0	
0	Chloroethane	5.0000	5.0863	1.7	50.0	
0	Trichlorofluoromethane	5.0000	4.9280	1.4	50.0	
0	Acrolein	50.0000	37.8765	24.2	50.0	
0	Acetone	10.0000	9.1458	8.5	50.0	
0	1,1-Dichloroethene	5.0000	4.5439	9.1	20.0	
0	Freon-113	5.0000	4.3987	12.0	50.0	
0	Iodomethane	5.0000	4.2480	15.0	50.0	
0	Carbon Disulfide	5.0000	4.3405	13.2	50.0	
0	Methylene Chloride	5.0000	6.5197	30.4	50.0	130.4
0	Acetonitrile	50.0000	52.2138	4.4	50.0	
0	Acrylonitrile	50.0000	47.2199	5.6	50.0	
0	Methyl tert-butyl ether	5.0000	3.9342	21.3	50.0	
0	trans-1,2-Dichloroethene	5.0000	4.6703	6.6	50.0	
0	Hexane	5.0000	4.6923	6.2	20.0	
0	1,2,3-Trichlorobenzene	5.0000	10.1072	102.1	50.0	<-
0	1,1-Dichloroethane	5.0000	5.1486	3.0	50.0	
0	tert-Butyl Alcohol	100.0000	76.9877	23.0	50.0	
0	2-Butanone	10.0000	9.0358	9.6	50.0	
0	1,2-Dichloroethene (total)	10.0000	9.2704	7.3	50.0	
0	cis-1,2-dichloroethene	5.0000	4.6001	8.0	50.0	
0	2,2-Dichloropropane	5.0000	2.9753	40.5	50.0	
0	Bromochloromethane	5.0000	4.6773	6.5	50.0	
0	Chloroform	5.0000	4.6209	7.6	20.0	
0	Tetrahydrofuran	5.0000	5.8507	17.0	50.0	
0	1,1,1-Trichloroethane	5.0000	4.2329	15.3	50.0	
0	1,1-Dichloropropene	5.0000	4.6279	7.4	50.0	
0	Carbon Tetrachloride	5.0000	2.9030	41.9	50.0	58.1
0	1,2-Dichloroethane	5.0000	4.5069	9.9	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2764.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2764.D
Analysis Type: WATER

Injection Date: 24-APR-2007 19:58
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	4.8542	2.9	50.0	
0	Trichloroethene	5.0000	4.4565	10.9	50.0	
0	1,2-Dichloropropane	5.0000	4.0291	19.4	20.0	
0	Naphthalene	5.0000	7.3507	47.0	50.0	
0	Dibromomethane	5.0000	4.2137	15.7	50.0	
0	Bromodichloromethane	5.0000	3.4134	31.7	50.0	68.3
0	2-Chloroethyl vinyl ether	10.0000	7.6813	23.2	50.0	
0	cis-1,3-Dichloropropene	5.0000	3.0119	39.8	50.0	60.2
0	4-Methyl-2-pentanone	10.0000	7.9307	20.7	50.0	
0	Toluene	5.0000	4.4882	10.2	20.0	
0	trans-1,3-Dichloropropene	5.0000	2.3306	53.4	50.0	<-46.4
0	Ethyl Methacrylate	5.0000	2.5442	49.1	50.0	
0	1,1,2-Trichloroethane	5.0000	4.2755	14.5	50.0	
0	1,3-Dichloropropane	5.0000	4.2855	14.3	50.0	
0	Tetrachloroethene	5.0000	4.9872	0.3	50.0	
0	2-Hexanone	10.0000	8.7512	12.5	50.0	
0	Dibromochloromethane	5.0000	2.8736	42.5	50.0	57.5
0	1,2-Dibromoethane	5.0000	3.9262	21.5	50.0	
0	Chlorobenzene	5.0000	4.5302	9.4	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	2.5839	48.3	50.0	
0	Ethylbenzene	5.0000	4.3218	13.6	20.0	
0	m + p-Xylene	10.0000	8.6739	13.3	50.0	
0	Xylenes (total)	15.0000	13.0548	13.0	50.0	
0	Xylene-o	5.0000	4.3809	12.4	50.0	
0	Styrene	5.0000	4.0619	18.8	50.0	
0	Bromoform	5.0000	2.9192	41.6	50.0	58.4
0	Isopropylbenzene	5.0000	4.2304	15.4	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	3.9930	20.1	50.0	
0	1,4-Dichloro-2-butene	5.0000	0.0000	100.0	50.0	<- MR
0	1,2,3-Trichloropropane	5.0000	4.5028	9.9	50.0	
0	Bromobenzene	5.0000	0.0000	100.0	50.0	<- MR
0	n-Propylbenzene	5.0000	4.1988	16.0	50.0	
0	2-Chlorotoluene	5.0000	4.4706	10.6	50.0	
0	1,3,5-Trimethylbenzene	5.0000	3.9501	21.0	50.0	
0	4-Chlorotoluene	5.0000	3.6493	27.0	50.0	
0	tert-Butylbenzene	5.0000	3.8821	22.4	50.0	
0	1,2,4-Trimethylbenzene	5.0000	3.8293	23.4	50.0	
0	sec-Butylbenzene	5.0000	4.0540	18.9	50.0	
0	4-Isopropyltoluene	5.0000	4.1364	17.3	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2764.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2764.D
Analysis Type: WATER

Injection Date: 24-APR-2007 19:58
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.6256	7.5	50.0	
0	1,4-Dichlorobenzene	5.0000	4.8267	3.5	50.0	
0	n-Butylbenzene	5.0000	4.0574	18.9	50.0	
0	1,2-Dichlorobenzene	5.0000	4.6253	7.5	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	1.6809	66.4	50.0	<-
0	1,2,4-Trichlorobenzene	5.0000	4.9184	1.6	50.0	
0	Hexachlorobutadiene	5.0000	4.0299	19.4	50.0	
42	Vinyl acetate	5.0000	2.8688	42.6	50.0	
59	1,4-Dioxane	250.0000	165.8672	33.7	50.0	
150	Vinyl Acetate-86	5.0000	3.0346	39.3	50.0	
0	1,2-Dichloroethane-d4	5.0000	43.3091	766.2	50.0	<-
0	Dibromofluoromethane	5.0000	47.3705	847.4	50.0	<-
0	Toluene-d8	5.0000	47.4259	848.5	50.0	<-
0	Bromofluorobenzene	5.0000	49.8139	896.3	50.0	<-

5A

VOLATILE ORGANIC GC/MS TUNING AND MASS CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: STL-NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D180106

Lab File ID: BFB577 BFB Injection Date: 04/24/07

Instrument ID: A3UX15 BFB Injection Time: 0856

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 100.0% of mass 95	73.0
175	5.0 - 9.0% of mass 174	5.0 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	69.9 (95.7)1
177	5.0 - 9.0% of mass 176	4.8 (6.9)2

1-Value is % of mass 174 2-Value is % of mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD010	50NG-CC	UXC16373	04/24/07	0943
02	JVHPP-CHK	JVHPP1AC	UXC16374	04/24/07	1007
03	JVHPP-CKDUP	JVHPP1AD	UXC16375	04/24/07	1030
04	JNHPP-BLK	JVHPP1AA	UXC16376	04/24/07	1053
05	FWGLL4MW-198	JT4MN1AA	UXC16390	04/24/07	1619
06	FWGLL2MW-263	JT4MQ1AA	UXC16391	04/24/07	1642
07	FWGCBPMW-007	JT4MT1AA	UXC16392	04/24/07	1705
08	FWGLL1MW-083	JT4MW1AA	UXC16393	04/24/07	1729
09	FWGLL11MW-00	JT4M01AA	UXC16394	04/24/07	1752
10	FWGLL11MW-00	JT4M01AC	UXC16395	04/24/07	1815
11	FWGLL11MW-00	JT4M01AD	UXC16396	04/24/07	1838
12	FWGDETMW-4BR	JT4M21AA	UXC16397	04/24/07	1901
13	FWGLL11MW-DU	JT4M41AA	UXC16398	04/24/07	1924
14	FWGEQUIPRINS	JT4M61AA	UXC16399	04/24/07	1947
15	FWGEQUIPRINS	JT4M81AA	UXC16400	04/24/07	2011
16	FWGLL11MW-00	JT4NC1AA	UXC16401	04/24/07	2034
17					
18					
19					
20					
21					
22					

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b\UXC16373.D
Report Date: 24-Apr-2007 09:59

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux15.i Injection Date: 24-APR-2007 09:43
Lab File ID: UXC16373.D Init. Cal. Date(s): 17-APR-2007 17-APR-2007
Analysis Type: WATER Init. Cal. Times: 09:17 13:39
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b\8260LLUX15.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 Dibromofluoromethane	0.21055	0.19392	0.19392	0.010	7.89888	50.00000	Averaged	
$ 5 1,2-Dichloroethane-d4	0.23995	0.22258	0.22258	0.010	7.23875	50.00000	Averaged	
$ 6 Toluene-d8	1.05962	1.02032	1.02032	0.010	3.70907	50.00000	Averaged	
$ 7 Bromofluorobenzene	0.44112	0.37529	0.37529	0.010	14.92363	50.00000	Averaged	
8 Dichlorodifluoromethane	0.19249	0.17834	0.17834	0.010	7.34999	50.00000	Averaged	
9 Chloromethane	0.25895	0.21275	0.21275	0.100	17.84037	50.00000	Averaged	
10 Vinyl Chloride	0.27243	0.24591	0.24591	0.010	9.73614	20.00000	Averaged	
11 Bromomethane	0.20012	0.19742	0.19742	0.010	1.34940	50.00000	Averaged	
12 Chloroethane	0.19183	0.16829	0.16829	0.010	12.27037	50.00000	Averaged	
13 Trichlorofluoromethane	0.31413	0.28417	0.28417	0.010	9.53768	50.00000	Averaged	
15 Acrolein	0.02732	0.02579	0.02579	0.010	5.60274	50.00000	Averaged	
16 Acetone	100	86.09403	0.06784	0.010	13.90597	0.000e+000	Wt Linear	
17 1,1-Dichloroethene	0.21430	0.18765	0.18765	0.010	12.43830	20.00000	Averaged	
18 Freon-113	0.17831	0.16118	0.16118	0.010	9.60631	50.00000	Averaged	
19 Iodomethane	0.38341	0.32587	0.32587	0.010	15.00694	50.00000	Averaged	
20 Carbon Disulfide	0.63671	0.48530	0.48530	0.010	23.77996	50.00000	Averaged	
21 Methylene Chloride	0.24465	0.21534	0.21534	0.010	11.97890	50.00000	Averaged	
22 Acetonitrile	0.02193	0.02494	0.02494	0.010	-13.70552	50.00000	Averaged	
23 Acrylonitrile	0.07232	0.06853	0.06853	0.010	5.24576	50.00000	Averaged	
24 Methyl tert-butyl ether	0.66631	0.52782	0.52782	0.010	20.78407	50.00000	Averaged	
25 trans-1,2-Dichloroethene	0.24761	0.22203	0.22203	0.010	10.33302	50.00000	Averaged	
26 Hexane	0.04899	0.04133	0.04133	0.010	15.62635	20.00000	Averaged	
27 Vinyl acetate	0.26821	0.24333	0.24333	0.010	9.27705	50.00000	Averaged	
28 1,1-Dichloroethane	0.38242	0.33904	0.33904	0.100	11.34537	50.00000	Averaged	
29 tert-Butyl Alcohol	0.02000	0.01558	0.01558	0.010	22.09237	50.00000	Averaged	
30 2-Butanone	0.08505	0.07913	0.07913	0.010	6.95104	50.00000	Averaged	
M 31 1,2-Dichloroethene (total)	0.25313	0.22446	0.22446	0.010	11.32411	50.00000	Averaged	
32 cis-1,2-dichloroethene	0.25864	0.22690	0.22690	0.010	12.27332	50.00000	Averaged	
33 2,2-Dichloropropane	0.30749	0.22640	0.22640	0.010	26.37233	50.00000	Averaged	
34 Bromochloromethane	0.12617	0.11518	0.11518	0.010	8.70631	50.00000	Averaged	
35 Chloroform	0.39437	0.36070	0.36070	0.010	8.53619	20.00000	Averaged	
36 Tetrahydrofuran	0.06360	0.04889	0.04889	0.010	23.11933	50.00000	Averaged	
37 1,1,1-Trichloroethane	0.35270	0.29567	0.29567	0.010	16.16815	50.00000	Averaged	
38 1,1-Dichloropropene	0.30233	0.27879	0.27879	0.010	7.78692	50.00000	Averaged	
39 Carbon Tetrachloride	0.30877	0.27056	0.27056	0.010	12.37649	50.00000	Averaged	
40 1,2-Dichloroethane	0.29776	0.28490	0.28490	0.010	4.31971	50.00000	Averaged	
41 Benzene	0.96877	0.88455	0.88455	0.010	8.69340	50.00000	Averaged	
42 Trichloroethene	0.26357	0.23909	0.23909	0.010	9.28644	50.00000	Averaged	
43 1,2-Dichloropropane	0.20319	0.18475	0.18475	0.010	9.07348	20.00000	Averaged	
44 1,4-Dioxane	0.00251	0.00235	0.00235	0.010	6.23628	50.00000	Averaged	<-
45 Dibromomethane	0.13399	0.12721	0.12721	0.010	5.05611	50.00000	Averaged	
46 Bromodichloromethane	0.27957	0.24114	0.24114	0.010	13.74425	50.00000	Averaged	
47 2-Chloroethyl vinyl ether	0.10885	0.09821	0.09821	0.010	9.78269	50.00000	Averaged	

$\frac{223.82645}{20} = 11.2$

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b\UXC16373.D
Report Date: 24-Apr-2007 09:59

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux15.i Injection Date: 24-APR-2007 09:43
Lab File ID: UXC16373.D Init. Cal. Date(s): 17-APR-2007 17-APR-2007
Analysis Type: WATER Init. Cal. Times: 09:17 13:39
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b\8260LLUX15.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.35408	0.28561	0.28561	0.010	19.33890	50.00000	Averaged
49 4-Methyl-2-pentanone	0.18282	0.15944	0.15944	0.010	12.78890	50.00000	Averaged
50 Toluene	1.29602	1.20302	1.20302	0.010	7.17593	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.40493	0.32385	0.32385	0.010	20.02221	50.00000	Averaged
52 Ethyl Methacrylate	0.35754	0.29899	0.29899	0.010	16.37630	50.00000	Averaged
53 1,1,2-Trichloroethane	0.26419	0.23532	0.23532	0.010	10.92816	50.00000	Averaged
54 1,3-Dichloropropane	0.43117	0.40244	0.40244	0.010	6.66459	50.00000	Averaged
55 Tetrachloroethene	0.27670	0.25183	0.25183	0.010	8.98832	50.00000	Averaged
56 2-Hexanone	0.16499	0.13665	0.13665	0.010	17.17851	50.00000	Averaged
57 Dibromochloromethane	0.29383	0.23519	0.23519	0.010	19.95848	50.00000	Averaged
58 1,2-Dibromoethane	0.27043	0.24070	0.24070	0.010	10.99341	50.00000	Averaged
59 Chlorobenzene	0.90309	0.82565	0.82565	0.300	8.57494	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.32703	0.27692	0.27692	0.010	15.32344	50.00000	Averaged
61 Ethylbenzene	0.49520	0.44934	0.44934	0.010	9.26152	20.00000	Averaged
62 m + p-Xylene	0.62022	0.56320	0.56320	0.010	9.19362	50.00000	Averaged
M 63 Xylenes (total)	0.61982	0.56270	0.56270	0.010	9.21645	50.00000	Averaged
64 Xylene-o	0.61902	0.56169	0.56169	0.010	9.26207	50.00000	Averaged
65 Styrene	1.03357	0.92761	0.92761	0.010	10.25166	50.00000	Averaged
66 Bromoform	0.22944	0.16354	0.16354	0.100	28.72119	50.00000	Averaged
67 Isopropylbenzene	1.48838	1.34735	1.34735	0.010	9.47559	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.66163	0.61283	0.61283	0.300	7.37484	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.18367	0.13508	0.13508	0.010	26.45395	50.00000	Averaged
70 1,2,3-Trichloropropane	0.21340	0.19198	0.19198	0.010	10.03824	50.00000	Averaged
71 Bromobenzene	0.76118	0.67996	0.67996	0.010	10.66971	50.00000	Averaged
72 n-Propylbenzene	0.81526	0.76005	0.76005	0.010	6.77222	50.00000	Averaged
73 2-Chlorotoluene	0.72463	0.67302	0.67302	0.010	7.12238	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.42313	2.21576	2.21576	0.010	8.55795	50.00000	Averaged
75 4-Chlorotoluene	0.72862	0.67446	0.67446	0.010	7.43344	50.00000	Averaged
76 tert-Butylbenzene	2.25638	1.97537	1.97537	0.010	12.45408	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.49497	2.31327	2.31327	0.010	7.28282	50.00000	Averaged
78 sec-Butylbenzene	2.97180	2.73942	2.73942	0.010	7.81965	50.00000	Averaged
79 4-Isopropyltoluene	2.55233	2.31470	2.31470	0.010	9.31047	50.00000	Averaged
80 1,3-Dichlorobenzene	1.43044	1.33475	1.33475	0.010	6.68977	50.00000	Averaged
81 1,4-Dichlorobenzene	1.45126	1.35716	1.35716	0.010	6.48355	50.00000	Averaged
82 n-Butylbenzene	2.10769	1.94803	1.94803	0.010	7.57513	50.00000	Averaged
83 1,2-Dichlorobenzene	1.40075	1.29357	1.29357	0.010	7.65207	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.14516	0.11733	0.11733	0.010	19.17354	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.88505	0.76243	0.76243	0.010	13.85461	50.00000	Averaged
86 Hexachlorobutadiene	0.40149	0.33983	0.33983	0.010	15.35761	50.00000	Averaged
87 Naphthalene	1.77624	1.55419	1.55419	0.010	12.50086	50.00000	Averaged
88 1,2,3-Trichlorobenzene	0.78728	0.71778	0.71778	0.010	8.82728	50.00000	Averaged
98 Cyclohexane	0.34559	0.30192	0.30192	0.010	12.63605	50.00000	Averaged
143 Methyl Acetate	0.15128	0.13080	0.13080	0.010	13.53624	50.00000	Averaged

200.7/12/2 | 3:56
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Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b/UXC16377.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16377.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:16
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	Methylcyclohexane	5.0000	4.0621	18.8	50.0	
0	Methyl Acetate	10.0000	9.1350	8.7	50.0	
0	Cyclohexane	5.0000	3.8149	23.7	50.0	
0	1,2,3-Trichlorobenzene	5.0000	3.0920	38.2	50.0	
0	Dichlorodifluoromethane	5.0000	5.0905	1.8	50.0	
0	Chloromethane	5.0000	5.8030	16.1	50.0	
0	Vinyl Chloride	5.0000	6.4338	28.7	20.0	<-
0	Bromomethane	5.0000	5.8051	16.1	50.0	
0	Chloroethane	5.0000	5.3965	7.9	50.0	
0	Trichlorofluoromethane	5.0000	5.2301	4.6	50.0	
0	Acrolein	50.0000	41.3921	17.2	50.0	
0	Acetone	10.0000	6.8972	31.0	50.0	
0	1,1-Dichloroethene	5.0000	4.2848	14.3	20.0	
0	Freon-113	5.0000	4.2104	15.8	50.0	
0	Iodomethane	5.0000	4.0218	19.6	50.0	
0	Carbon Disulfide	5.0000	3.7127	25.7	50.0	
0	Methylene Chloride	5.0000	6.5546	31.1	50.0	
0	Naphthalene	5.0000	2.5241	49.5	50.0	
0	Acrylonitrile	50.0000	44.3713	11.3	50.0	
0	Methyl tert-butyl ether	5.0000	3.6322	27.4	50.0	
0	trans-1,2-Dichloroethene	5.0000	3.9823	20.4	50.0	
0	Hexane	5.0000	3.8588	22.8	20.0	<-
0	Vinyl acetate	5.0000	4.0434	19.1	50.0	
0	1,1-Dichloroethane	5.0000	4.4196	11.6	50.0	
0	Hexachlorobutadiene	5.0000	3.9112	21.8	50.0	
0	2-Butanone	10.0000	10.7255	7.3	50.0	
0	1,2-Dichloroethene (total)	10.0000	8.2753	17.2	50.0	
0	cis-1,2-dichloroethene	5.0000	4.2930	14.1	50.0	
0	2,2-Dichloropropane	5.0000	3.0272	39.5	50.0	
0	Bromochloromethane	5.0000	4.0161	19.7	50.0	
0	Chloroform	5.0000	4.4951	10.1	20.0	
0	Tetrahydrofuran	5.0000	4.5043	9.9	50.0	
0	1,1,1-Trichloroethane	5.0000	4.0388	19.2	50.0	
0	1,1-Dichloropropene	5.0000	4.1845	16.3	50.0	
0	Carbon Tetrachloride	5.0000	3.9340	21.3	50.0	
0	1,2-Dichloroethane	5.0000	4.6979	6.0	50.0	

MRL Opener

✓ ICV

✓ 131.1 - N/A

N/A

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b/UXC16377.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16377.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:16
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	5.0617	1.2	50.0	
0	Trichloroethene	5.0000	4.5257	9.5	50.0	
0	1,2-Dichloropropane	5.0000	4.2811	14.4	20.0	
0	1,2,4-Trichlorobenzene	5.0000	3.4973	30.1	50.0	
0	Dibromomethane	5.0000	4.3240	13.5	50.0	
0	Bromodichloromethane	5.0000	3.9756	20.5	50.0	
0	2-Chloroethyl vinyl ether	10.0000	7.5266	24.7	50.0	
0	cis-1,3-Dichloropropene	5.0000	3.5247	29.5	50.0	70.5
0	4-Methyl-2-pentanone	10.0000	7.3632	26.4	50.0	
0	Toluene	5.0000	4.5921	8.2	20.0	
0	trans-1,3-Dichloropropene	5.0000	3.3406	33.2	50.0	✓ 66.8
0	Ethyl Methacrylate	5.0000	3.3261	33.5	50.0	n/a
0	1,1,2-Trichloroethane	5.0000	4.6305	7.4	50.0	
0	1,3-Dichloropropane	5.0000	4.6271	7.5	50.0	
0	Tetrachloroethene	5.0000	4.8426	3.1	50.0	
0	2-Hexanone	10.0000	8.6022	14.0	50.0	
0	Dibromochloromethane	5.0000	3.7252	25.5	50.0	
0	1,2-Dibromoethane	5.0000	4.4159	11.7	50.0	
0	Chlorobenzene	5.0000	4.4650	10.7	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	3.7008	26.0	50.0	
0	Ethylbenzene	5.0000	4.3158	13.7	20.0	
0	m + p-Xylene	10.0000	8.4026	16.0	50.0	
0	Xylenes (total)	15.0000	12.3114	17.9	50.0	
0	Xylene-o	5.0000	3.9088	21.8	50.0	
0	Styrene	5.0000	3.8527	22.9	50.0	
0	Bromoform	5.0000	2.8404	43.2	50.0	✓ 56.8
0	Isopropylbenzene	5.0000	3.8126	23.7	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	4.5900	8.2	50.0	
0	1,4-Dichloro-2-butene	5.0000	3.1929	36.1	50.0	n/a
0	1,2,3-Trichloropropane	5.0000	5.0475	1.0	50.0	
0	Bromobenzene	5.0000	4.4979	10.0	50.0	
0	n-Propylbenzene	5.0000	4.4107	11.8	50.0	
0	2-Chlorotoluene	5.0000	4.4519	11.0	50.0	
0	1,3,5-Trimethylbenzene	5.0000	4.2914	14.2	50.0	
0	4-Chlorotoluene	5.0000	4.4335	11.3	50.0	
0	tert-Butylbenzene	5.0000	4.0098	19.8	50.0	
0	1,2,4-Trimethylbenzene	5.0000	4.0780	18.4	50.0	
0	sec-Butylbenzene	5.0000	4.1880	16.2	50.0	
0	4-Isopropyltoluene	5.0000	3.8183	23.6	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b/UXC16377.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16377.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:16
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.2956	14.1	50.0	
0	1,4-Dichlorobenzene	5.0000	4.2924	14.2	50.0	
0	n-Butylbenzene	5.0000	3.6422	27.2	50.0	
0	1,2-Dichlorobenzene	5.0000	4.5001	10.0	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	3.0582	38.8	50.0	n/a
0	1,3,5-Trichlorobenzene	5.0000	3.5090	29.8	50.0	
51	Acetonitrile	50.0000	41.0746	17.9	50.0	
59	1,4-Dioxane	250.0000	119.5442	52.2	50.0	<- n/a
124	tert-Butyl Alcohol	100.0000	60.1749	39.8	50.0	↓
0	1,2-Dichloroethane-d4	5.0000	50.1530	903.1	50.0	<-
0	Dibromofluoromethane	5.0000	46.1565	823.1	50.0	<-
0	Toluene-d8	5.0000	49.2609	885.2	50.0	<-
0	Bromofluorobenzene	5.0000	41.4282	728.6	50.0	<-

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b/UXC16402.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16402.D
Analysis Type: WATER

Injection Date: 24-APR-2007 20:56
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	Methylcyclohexane	5.0000	3.4832	30.3	50.0	MRL clear
0	Methyl Acetate	10.0000	10.0151	0.2	50.0	
0	Cyclohexane	5.0000	3.8744	22.5	50.0	
0	1,2,3-Trichlorobenzene	5.0000	3.0831	38.3	50.0	N/A
0	Dichlorodifluoromethane	5.0000	3.8880	22.2	50.0	
0	Chloromethane	5.0000	5.2051	4.1	50.0	
0	Vinyl Chloride	5.0000	5.3861	7.7	20.0	
0	Bromomethane	5.0000	5.4739	9.5	50.0	
0	Chloroethane	5.0000	5.2690	5.4	50.0	
0	Trichlorofluoromethane	5.0000	4.3858	12.3	50.0	
0	Acrolein	50.0000	36.5478	26.9	50.0	
0	Acetone	10.0000	4.5773	54.2	50.0	<- 45.8
0	1,1-Dichloroethene	5.0000	4.2564	14.9	20.0	
0	Freon-113	5.0000	4.0201	19.6	50.0	
0	Iodomethane	5.0000	4.0966	18.1	50.0	
0	Carbon Disulfide	5.0000	3.4463	31.1	50.0	✓ 68.9
0	Methylene Chloride	5.0000	8.4644	69.3	50.0	<- ✓ 169.3
0	Naphthalene	5.0000	2.3074	53.9	50.0	N/A
0	Acrylonitrile	50.0000	49.7898	0.4	50.0	
0	Methyl tert-butyl ether	5.0000	3.7634	24.7	50.0	
0	trans-1,2-Dichloroethene	5.0000	4.3611	12.8	50.0	
0	Hexane	5.0000	4.0589	18.8	20.0	
0	Vinyl acetate	5.0000	3.9251	21.5	50.0	
0	1,1-Dichloroethane	5.0000	4.4148	11.7	50.0	
0	Hexachlorobutadiene	5.0000	3.7373	25.3	50.0	
0	2-Butanone	10.0000	10.3947	3.9	50.0	
0	1,2-Dichloroethene (total)	10.0000	8.5876	14.1	50.0	
0	cis-1,2-dichloroethene	5.0000	4.2264	15.5	50.0	
0	2,2-Dichloropropane	5.0000	3.0594	38.8	50.0	N/A
0	Bromochloromethane	5.0000	4.7331	5.3	50.0	
0	Chloroform	5.0000	4.7513	5.0	20.0	
0	Tetrahydrofuran	5.0000	3.3511	33.0	50.0	
0	1,1,1-Trichloroethane	5.0000	4.1900	16.2	50.0	
0	1,1-Dichloropropene	5.0000	4.1723	16.6	50.0	
0	Carbon Tetrachloride	5.0000	3.6131	27.7	50.0	
0	1,2-Dichloroethane	5.0000	5.1214	2.4	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b/UXC16402.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16402.D
Analysis Type: WATER

Injection Date: 24-APR-2007 20:56
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	6.2081	24.2	50.0	
0	Trichloroethene	5.0000	4.3158	13.7	50.0	
0	1,2-Dichloropropane	5.0000	4.6699	6.6	20.0	
0	1,2,4-Trichlorobenzene	5.0000	3.0824	38.4	50.0	n/a
0	Dibromomethane	5.0000	4.9298	1.4	50.0	
0	Bromodichloromethane	5.0000	4.1333	17.3	50.0	
0	2-Chloroethyl vinyl ether	10.0000	8.7336	12.7	50.0	
0	cis-1,3-Dichloropropene	5.0000	3.2938	34.1	50.0	65.9
0	4-Methyl-2-pentanone	10.0000	8.3676	16.3	50.0	
0	Toluene	5.0000	4.7802	4.4	20.0	
0	trans-1,3-Dichloropropene	5.0000	3.2435	35.1	50.0	64.9
0	Ethyl Methacrylate	5.0000	3.6210	27.6	50.0	
0	1,1,2-Trichloroethane	5.0000	4.5273	9.5	50.0	
0	1,3-Dichloropropane	5.0000	5.0407	0.8	50.0	
0	Tetrachloroethene	5.0000	4.4954	10.1	50.0	
0	2-Hexanone	10.0000	8.9113	10.9	50.0	
0	Dibromochloromethane	5.0000	3.5133	29.7	50.0	70.3
0	1,2-Dibromoethane	5.0000	4.5926	8.1	50.0	
0	Chlorobenzene	5.0000	4.6003	8.0	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	3.7623	24.8	50.0	
0	Ethylbenzene	5.0000	4.1619	16.8	20.0	
0	m + p-Xylene	10.0000	8.1144	18.9	50.0	
0	Xylenes (total)	15.0000	12.0602	19.6	50.0	
0	Xylene-o	5.0000	3.9458	21.1	50.0	
0	Styrene	5.0000	3.9600	20.8	50.0	
0	Bromoform	5.0000	3.0097	39.8	50.0	60.2
0	Isopropylbenzene	5.0000	3.9070	21.9	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	4.8483	3.0	50.0	
0	1,4-Dichloro-2-butene	5.0000	2.5004	50.0	50.0	n/a
0	1,2,3-Trichloropropane	5.0000	4.9817	0.4	50.0	
0	Bromobenzene	5.0000	4.5035	9.9	50.0	
0	n-Propylbenzene	5.0000	4.1162	17.7	50.0	
0	2-Chlorotoluene	5.0000	4.2949	14.1	50.0	
0	1,3,5-Trimethylbenzene	5.0000	4.0626	18.7	50.0	
0	4-Chlorotoluene	5.0000	4.4655	10.7	50.0	
0	tert-Butylbenzene	5.0000	3.8382	23.2	50.0	
0	1,2,4-Trimethylbenzene	5.0000	4.1218	17.6	50.0	
0	sec-Butylbenzene	5.0000	3.8578	22.8	50.0	
0	4-Isopropyltoluene	5.0000	3.6993	26.0	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux15.i\C70424A.b/UXC16402.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux15.i
Lab File ID: UXC16402.D
Analysis Type: WATER

Injection Date: 24-APR-2007 20:56
Lab Sample ID: QC MRL
Method File: \\cansvr11\dd\chem\MSV\a3ux15.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.6191	7.6	50.0	
0	1,4-Dichlorobenzene	5.0000	4.4114	11.8	50.0	
0	n-Butylbenzene	5.0000	3.4857	30.3	50.0	
0	1,2-Dichlorobenzene	5.0000	4.3709	12.6	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	2.6978	46.0	50.0	nr/a
0	1,3,5-Trichlorobenzene	5.0000	3.6970	26.1	50.0	
51	Acetonitrile	50.0000	45.8064	8.4	50.0	
59	1,4-Dioxane	250.0000	166.3638	33.5	50.0	nr/a
124	tert-Butyl Alcohol	100.0000	64.9593	35.0	50.0	↓
0	1,2-Dichloroethane-d4	5.0000	50.8351	916.7	50.0	<-
0	Dibromofluoromethane	5.0000	45.9069	818.1	50.0	<-
0	Toluene-d8	5.0000	49.3253	886.5	50.0	<-
0	Bromofluorobenzene	5.0000	40.4752	709.5	50.0	<-

Method Blank Outlier Report

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

Analysis Method : 8260B **Analysis Date :** 04/24/2007

Preparation Type : 5030B **Preparation Date :** 04/24/2007

Method Blank Lab Sample ID : A7D240000103B **Preparation Batch :** 7114103

UK 11

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.45	2.0	ug/L	J	Common Contaminant

Result ½ less than ½ MRL; acceptable per LG6, NO Qual dm 6/22/07

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGRinse TRIP BLANK	A7D180106032	1	0.34	J B	ug/L
FWGTeam1 TRIP BLANK	A7D180106029	1	0.35	J B	ug/L
FWG-Team2-TRIP	A7D180106030	1	0.36	J B	ug/L
FWGTeam3 TRIP BLANK	A7D180106031	1	0.35	J B	ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHL61AA **Matrix.....:** WATER
MB Lot-Sample #: A7D240000-103

Prep Date.....: 04/24/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/24/07 **Prep Batch #...:** 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	**0.45 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHL61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Toluene-d8	93	(50 - 150)		
4-Bromofluorobenzene	99	(50 - 150)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Method Blank Outlier Report

Lab Reporting Batch : A7D180106
Lab ID: STLCAN
Analysis Method : 8260B
Analysis Date : 04/24/2007
Preparation Type : 5030B
Preparation Date : 04/24/2007
Method Blank Lab Sample ID : A7D240000116B
Preparation Batch : 7114116 U15

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.49	2.0	ug/L	J	Common Contaminant

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGEQUIPRinse1-0456-GW	A7D180106015	1	0.21	J B	ug/L
FWGEQUIPRinse2-0457-GW	A7D180106017	1	0.26	J B	ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHPP1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D240000-116

Prep Date.....: 04/24/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/24/07 **Prep Batch #...:** 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	**0.49 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	96	(50 - 150)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 Work Order #...: JVHPP1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Toluene-d8	99	(50 - 150)		
4-Bromofluorobenzene	83	(50 - 150)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

QC Outlier Report: Trip Blank

Lab Reporting Batch : A7D180106
Lab ID: STLCAN
Method/Preparation Batch : 7114103 / 7114103
Analysis Date : 04/24/2007
Client Sample ID : FWGRinse TRIP BLANK
Preparation Date : 04/24/2007
Lab Sample ID : A7D180106032
Preparation Type : 5030B

Analysis Method : 8260B

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Rinse TB (4/14)	0.34	2.0	ug/L	J B	Common Contaminant

Result less than 1/2 MRL No quals acceptable per CLG CJH 6/22/07

Methylene chloride was qualified due to trip blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGEQUIPRinse1-0456-GW	A7D180106015	1	0.21	J B	ug/L

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team 1	0.35	2.0	ug/L	J B	Common Contaminant

Result less than 1/2 MRL No quals; acceptable per CLG CJH 6/22/07

Methylene chloride was qualified due to trip blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGEQUIPRinse2-0457-GW	A7D180106017	1	0.26	J B	ug/L

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team 2	0.36	2.0	ug/L	J B	Common Contaminant

Methylene chloride contamination found in the trip blank did not qualify any samples.

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Trip Blank Result: Team 3	0.35	2.0	ug/L	J B	Common Contaminant

Methylene chloride contamination found in the trip blank did not qualify any samples.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7114103 **Analysis Method :** 8260B **Analysis Date :** 04/24/2007

Preparation Batch : 7114103 **Preparation Type :** 5030B **Preparation Date :** 04/24/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
A7D240000103C	AQ	cis-1,3-Dichloropropene	65		30.00	73.00	132.00	30.00
		trans-1,3-Dichloropropene	59		30.00	74.00	131.00	30.00
A7D240000103L		Carbon tetrachloride	70	1.8	30.00	71.00	132.00	30.00
		cis-1,3-Dichloropropene	66	1.8	30.00	73.00	132.00	30.00
		trans-1,3-Dichloropropene	59	0.88	30.00	74.00	131.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGDA2mw-DET1bR-0437-GW	A7D180106021
FWGDETmw-3bR-0444-GW	A7D180106025
FWGLL2mw-262C-0423-GW	A7D180106023
FWGLL3mw-240C-0426-GW	A7D180106027
FWGRinse TRIP BLANK	A7D180106032
FWGTeam1 TRIP BLANK	A7D180106029
FWG-Team2-TRIP	A7D180106030
FWGTeam3 TRIP BLANK	A7D180106031

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHL61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-103 JVHL61AD-LCSD
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	80	(75 - 127)			SW846 8260B
	82	(75 - 127)	2.6	(0-30)	SW846 8260B
Chloromethane	84	(58 - 135)			SW846 8260B
	84	(58 - 135)	0.83	(0-30)	SW846 8260B
Bromomethane	84	(35 - 153)			SW846 8260B
	83	(35 - 153)	0.87	(0-30)	SW846 8260B
Vinyl chloride	82	(73 - 134)			SW846 8260B
	79	(73 - 134)	3.2	(0-30)	SW846 8260B
Chloroethane	91	(72 - 129)			SW846 8260B
	90	(72 - 129)	1.5	(0-30)	SW846 8260B
Methylene chloride	86	(69 - 118)			SW846 8260B
	84	(69 - 118)	3.1	(0-30)	SW846 8260B
Acetone	101	(51 - 157)			SW846 8260B
	102	(51 - 157)	1.4	(0-30)	SW846 8260B
Carbon disulfide	92	(74 - 123)			SW846 8260B
	92	(74 - 123)	0.18	(0-30)	SW846 8260B
1,1-Dichloroethene	**88**	**(75 - 125)**			**SW846 8260B**
	90	**(75 - 125)**	**1.9**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	98	(75 - 133)			SW846 8260B
	96	(75 - 133)	2.6	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	93	(85 - 111)			SW846 8260B
	91	(85 - 111)	1.3	(0-30)	SW846 8260B
Chloroform	91	(74 - 127)			SW846 8260B
	90	(74 - 127)	0.83	(0-30)	SW846 8260B
1,2-Dichloroethane	88	(67 - 132)			SW846 8260B
	88	(67 - 132)	0.13	(0-30)	SW846 8260B
2-Butanone	88	(45 - 150)			SW846 8260B
	89	(45 - 150)	0.67	(0-30)	SW846 8260B
1,1,1-Trichloroethane	81	(70 - 127)			SW846 8260B
	80	(70 - 127)	2.0	(0-30)	SW846 8260B
Carbon tetrachloride	72	(71 - 132)			SW846 8260B
	70 a	(71 - 132)	1.8	(0-30)	SW846 8260B
Bromodichloromethane	76	(70 - 130)			SW846 8260B
	78	(70 - 130)	2.1	(0-30)	SW846 8260B
1,2-Dichloropropane	88	(75 - 127)			SW846 8260B
	84	(75 - 127)	4.5	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHL61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-103 JVHL61AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	65 a	(73 - 132)			SW846 8260B
	66 a	(73 - 132)	1.8	(0-30)	SW846 8260B
Trichloroethene	**92**	**(67 - 128)**			**SW846 8260B**
	91	**(67 - 128)**	**1.2**	**(0-30)**	**SW846 8260B**
Dibromochloromethane	81	(74 - 145)			SW846 8260B
	81	(74 - 145)	0.58	(0-30)	SW846 8260B
1,1,2-Trichloroethane	85	(75 - 136)			SW846 8260B
	86	(75 - 136)	1.0	(0-30)	SW846 8260B
Benzene	**90**	**(75 - 126)**			**SW846 8260B**
	88	**(75 - 126)**	**2.5**	**(0-30)**	**SW846 8260B**
trans-1,3-Dichloropropene	59 a	(74 - 131)			SW846 8260B
	59 a	(74 - 131)	0.88	(0-30)	SW846 8260B
Bromoform	81	(72 - 136)			SW846 8260B
	80	(72 - 136)	1.1	(0-30)	SW846 8260B
4-Methyl-2-pentanone	82	(59 - 150)			SW846 8260B
	80	(59 - 150)	1.6	(0-30)	SW846 8260B
2-Hexanone	94	(53 - 139)			SW846 8260B
	94	(53 - 139)	0.68	(0-30)	SW846 8260B
Tetrachloroethene	91	(75 - 129)			SW846 8260B
	87	(75 - 129)	4.0	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	84	(68 - 129)			SW846 8260B
	80	(68 - 129)	5.1	(0-30)	SW846 8260B
Toluene	**91**	**(75 - 125)**			**SW846 8260B**
	92	**(75 - 125)**	**1.4**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**91**	**(75 - 127)**			**SW846 8260B**
	90	**(75 - 127)**	**1.1**	**(0-30)**	**SW846 8260B**
Ethylbenzene	91	(75 - 120)			SW846 8260B
	91	(75 - 120)	0.46	(0-30)	SW846 8260B
Styrene	96	(75 - 130)			SW846 8260B
	96	(75 - 130)	0.56	(0-30)	SW846 8260B
Xylenes (total)	95	(90 - 114)			SW846 8260B
	94	(90 - 114)	0.49	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	95	(73 - 133)			SW846 8260B
	94	(73 - 133)	1.8	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	90	(75 - 134)			SW846 8260B
	89	(75 - 134)	0.69	(0-30)	SW846 8260B
n-Hexane	103	(69 - 129)			SW846 8260B
	103	(69 - 129)	0.19	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	64 a	(75 - 132)			SW846 8260B
	65 a	(75 - 132)	0.60	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHL61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-103 JVHL61AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	94	(73 - 120)			SW846 8260B
	94	(73 - 120)	0.89	(0-30)	SW846 8260B
1,3-Dichlorobenzene	91	(75 - 122)			SW846 8260B
	90	(75 - 122)	1.4	(0-30)	SW846 8260B
1,4-Dichlorobenzene	95	(74 - 123)			SW846 8260B
	96	(74 - 123)	1.0	(0-30)	SW846 8260B
Dichlorodifluoromethane	75	(59 - 134)			SW846 8260B
	74	(59 - 134)	2.0	(0-30)	SW846 8260B
Freon 113	101	(50 - 150)			SW846 8260B
	102	(50 - 150)	1.1	(0-30)	SW846 8260B
Isopropylbenzene	107	(75 - 126)			SW846 8260B
	105	(75 - 126)	1.8	(0-30)	SW846 8260B
Methyl acetate	86	(60 - 140)			SW846 8260B
	84	(60 - 140)	2.0	(0-20)	SW846 8260B
Methylcyclohexane	94	(60 - 140)			SW846 8260B
	87	(60 - 140)	7.8	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	90	(59 - 129)			SW846 8260B
	92	(59 - 129)	2.6	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	107	(75 - 130)			SW846 8260B
	106	(75 - 130)	1.4	(0-30)	SW846 8260B
Trichlorofluoromethane	97	(68 - 133)			SW846 8260B
	95	(68 - 133)	2.1	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
	92	(50 - 150)
1,2-Dichloroethane-d4	90	(50 - 150)
	91	(50 - 150)
Toluene-d8	96	(50 - 150)
	97	(50 - 150)
4-Bromofluorobenzene	104	(50 - 150)
	104	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7114116 **Analysis Method :** 8260B **Analysis Date :** 04/24/2007

Preparation Batch : 7114116 **Preparation Type :** 5030B **Preparation Date :** 04/24/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
A7D240000116C	AQ	Bromoform	63		30.00	72.00	136.00	30.00
		Chloroethane	71		30.00	72.00	129.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGCBPmw-007C-0436-GW	A7D180106005
FWGDETmw-4bR-0445-GW	A7D180106011
FWGEQUIPRinse1-0456-GW	A7D180106015
FWGEQUIPRinse2-0457-GW	A7D180106017
FWGLL11mw-002C-0429-GW	A7D180106019
FWGLL11mw-007C-0430-GW	A7D180106009
FWGLL11mw-DUP5-0455-GW	A7D180106013
FWGLL1mw-083C-0421-GW	A7D180106007
FWGLL2mw-263C-0424-GW	A7D180106003
FWGLL4mw-198C-0427-GW	A7D180106001

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHPP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-116 JVHPP1AD-LCSD
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	86	(75 - 127)			SW846 8260B
	93	(75 - 127)	7.9	(0-30)	SW846 8260B
Chloromethane	67	(58 - 135)			SW846 8260B
	76	(58 - 135)	14	(0-30)	SW846 8260B
Bromomethane	70	(35 - 153)			SW846 8260B
	84	(35 - 153)	18	(0-30)	SW846 8260B
Vinyl chloride	78	(73 - 134)			SW846 8260B
	84	(73 - 134)	7.4	(0-30)	SW846 8260B
Chloroethane	71 a	(72 - 129)			SW846 8260B
	87	(72 - 129)	19	(0-30)	SW846 8260B
Methylene chloride	82	(69 - 118)			SW846 8260B
	93	(69 - 118)	13	(0-30)	SW846 8260B
Acetone	76	(51 - 157)			SW846 8260B
	86	(51 - 157)	12	(0-30)	SW846 8260B
Carbon disulfide	74	(74 - 123)			SW846 8260B
	80	(74 - 123)	8.3	(0-30)	SW846 8260B
1,1-Dichloroethene	**83**	**(75 - 125)**			**SW846 8260B**
	89	**(75 - 125)**	**7.7**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	85	(75 - 133)			SW846 8260B
	93	(75 - 133)	8.2	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	80 a	(85 - 111)			SW846 8260B
	89	(85 - 111)	10	(0-30)	SW846 8260B
Chloroform	85	(74 - 127)			SW846 8260B
	94	(74 - 127)	9.6	(0-30)	SW846 8260B
1,2-Dichloroethane	91	(67 - 132)			SW846 8260B
	98	(67 - 132)	7.5	(0-30)	SW846 8260B
2-Butanone	86	(45 - 150)			SW846 8260B
	95	(45 - 150)	11	(0-30)	SW846 8260B
1,1,1-Trichloroethane	77	(70 - 127)			SW846 8260B
	86	(70 - 127)	11	(0-30)	SW846 8260B
Carbon tetrachloride	80	(71 - 132)			SW846 8260B
	87	(71 - 132)	9.4	(0-30)	SW846 8260B
Bromodichloromethane	84	(70 - 130)			SW846 8260B
	90	(70 - 130)	7.0	(0-30)	SW846 8260B
1,2-Dichloropropane	89	(75 - 127)			SW846 8260B
	95	(75 - 127)	5.8	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHPP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-116 JVHPP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	75	(73 - 132)			SW846 8260B
	83	(73 - 132)	11	(0-30)	SW846 8260B
Trichloroethene	**84**	**(67 - 128)**			**SW846 8260B**
	93	**(67 - 128)**	**9.6**	**(0-30)**	**SW846 8260B**
Dibromochloromethane	76	(74 - 145)			SW846 8260B
	87	(74 - 145)	13	(0-30)	SW846 8260B
1,1,2-Trichloroethane	84	(75 - 136)			SW846 8260B
	92	(75 - 136)	8.4	(0-30)	SW846 8260B
Benzene	**86**	**(75 - 126)**			**SW846 8260B**
	91	**(75 - 126)**	**5.9**	**(0-30)**	**SW846 8260B**
trans-1,3-Dichloropropene	75	(74 - 131)			SW846 8260B
	83	(74 - 131)	10	(0-30)	SW846 8260B
Bromoform	63 a	(72 - 136)			SW846 8260B
	74	(72 - 136)	16	(0-30)	SW846 8260B
4-Methyl-2-pentanone	82	(59 - 150)			SW846 8260B
	90	(59 - 150)	10	(0-30)	SW846 8260B
2-Hexanone	83	(53 - 139)			SW846 8260B
	88	(53 - 139)	5.6	(0-30)	SW846 8260B
Tetrachloroethene	84	(75 - 129)			SW846 8260B
	94	(75 - 129)	11	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	88	(68 - 129)			SW846 8260B
	98	(68 - 129)	9.8	(0-30)	SW846 8260B
Toluene	**88**	**(75 - 125)**			**SW846 8260B**
	97	**(75 - 125)**	**9.2**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**85**	**(75 - 127)**			**SW846 8260B**
	93	**(75 - 127)**	**9.6**	**(0-30)**	**SW846 8260B**
Ethylbenzene	83	(75 - 120)			SW846 8260B
	93	(75 - 120)	11	(0-30)	SW846 8260B
Styrene	83	(75 - 130)			SW846 8260B
	92	(75 - 130)	11	(0-30)	SW846 8260B
Xylenes (total)	84 a	(90 - 114)			SW846 8260B
	94	(90 - 114)	11	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	80	(73 - 133)			SW846 8260B
	89	(73 - 133)	10	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	81	(75 - 134)			SW846 8260B
	90	(75 - 134)	11	(0-30)	SW846 8260B
n-Hexane	90	(69 - 129)			SW846 8260B
	96	(69 - 129)	6.5	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	66 a	(75 - 132)			SW846 8260B
	81	(75 - 132)	20	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JVHPP1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-116 JVHPP1AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	84	(73 - 120)			SW846 8260B
	94	(73 - 120)	11	(0-30)	SW846 8260B
1,3-Dichlorobenzene	84	(75 - 122)			SW846 8260B
	93	(75 - 122)	11	(0-30)	SW846 8260B
1,4-Dichlorobenzene	86	(74 - 123)			SW846 8260B
	97	(74 - 123)	13	(0-30)	SW846 8260B
Dichlorodifluoromethane	71	(59 - 134)			SW846 8260B
	81	(59 - 134)	13	(0-30)	SW846 8260B
Freon 113	91	(50 - 150)			SW846 8260B
	99	(50 - 150)	7.8	(0-30)	SW846 8260B
Isopropylbenzene	90	(75 - 126)			SW846 8260B
	100	(75 - 126)	11	(0-30)	SW846 8260B
Methyl acetate	80	(60 - 140)			SW846 8260B
	88	(60 - 140)	10	(0-20)	SW846 8260B
Methylcyclohexane	83	(60 - 140)			SW846 8260B
	89	(60 - 140)	7.0	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	73	(59 - 129)			SW846 8260B
	81	(59 - 129)	11	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	72 a	(75 - 130)			SW846 8260B
	86	(75 - 130)	18	(0-30)	SW846 8260B
Trichlorofluoromethane	76	(68 - 133)			SW846 8260B
	88	(68 - 133)	14	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(50 - 150)
	93	(50 - 150)
1,2-Dichloroethane-d4	92	(50 - 150)
	97	(50 - 150)
Toluene-d8	98	(50 - 150)
	98	(50 - 150)
4-Bromofluorobenzene	87	(50 - 150)
	89	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7114116 **Analysis Method :** 8260B **Analysis Date :** 04/24/2007

Preparation Batch : 7114116 **Preparation Type :** 5030B **Preparation Date :** 04/24/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGLL11mw-007C-0430	A7D180106009S	AQ	Acetone	59		0.00	70.00	130.00	20.00
			Bromoform	58		0.00	70.00	130.00	20.00
			Carbon disulfide	67		0.00	70.00	130.00	20.00
			Chloromethane	64		0.00	70.00	130.00	20.00
			cis-1,3-Dichloropropene	64		0.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene	66		0.00	70.00	130.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGLL11mw-007C-0430-GW	A7D180106009

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JT5011AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7D180233-007 JT5011AD-MSD
Date Sampled...: 04/16/07 16:20 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	89	(60 - 140)			SW846 8260B
	95	(60 - 140)	6.3	(0-20)	SW846 8260B
Chloromethane	72	(41 - 125)			SW846 8260B
	76	(41 - 125)	6.3	(0-30)	SW846 8260B
Bromomethane	78	(53 - 155)			SW846 8260B
	75	(53 - 155)	4.7	(0-30)	SW846 8260B
Vinyl chloride	78	(52 - 122)			SW846 8260B
	84	(52 - 122)	7.7	(0-30)	SW846 8260B
Chloroethane	77	(62 - 140)			SW846 8260B
	79	(62 - 140)	1.6	(0-30)	SW846 8260B
Methylene chloride	80	(70 - 129)			SW846 8260B
	84	(70 - 129)	5.3	(0-30)	SW846 8260B
Acetone	64	(10 - 166)			SW846 8260B
	58	(10 - 166)	9.6	(0-32)	SW846 8260B
Carbon disulfide	76	(66 - 135)			SW846 8260B
	81	(66 - 135)	6.9	(0-31)	SW846 8260B
1,1-Dichloroethene	**81**	**(57 - 138)**			**SW846 8260B**
	88	**(57 - 138)**	**8.2**	**(0-15)**	**SW846 8260B**
1,1-Dichloroethane	88	(84 - 121)			SW846 8260B
	93	(84 - 121)	5.9	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	84	(80 - 115)			SW846 8260B
	88	(80 - 115)	4.3	(0-30)	SW846 8260B
Chloroform	87	(85 - 124)			SW846 8260B
	93	(85 - 124)	6.0	(0-30)	SW846 8260B
1,2-Dichloroethane	93	(84 - 126)			SW846 8260B
	100	(84 - 126)	6.8	(0-30)	SW846 8260B
2-Butanone	89	(52 - 152)			SW846 8260B
	89	(52 - 152)	0.55	(0-30)	SW846 8260B
1,1,1-Trichloroethane	81	(78 - 128)			SW846 8260B
	88	(78 - 128)	8.5	(0-30)	SW846 8260B
Carbon tetrachloride	83	(80 - 125)			SW846 8260B
	89	(80 - 125)	7.3	(0-30)	SW846 8260B
Bromodichloromethane	85 a	(86 - 127)			SW846 8260B
	91	(86 - 127)	6.2	(0-30)	SW846 8260B
1,2-Dichloropropane	90	(83 - 121)			SW846 8260B
	95	(83 - 121)	5.0	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	76 a	(86 - 122)			SW846 8260B
	78 a	(86 - 122)	3.2	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JT5011AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7D180233-007 JT5011AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**88**	**(58 - 141)**			**SW846 8260B**
	94	**(58 - 141)**	**6.8**	**(0-17)**	**SW846 8260B**
Dibromochloromethane	80 a	(85 - 124)			SW846 8260B
	85	(85 - 124)	5.9	(0-30)	SW846 8260B
1,1,2-Trichloroethane	89	(88 - 119)			SW846 8260B
	95	(88 - 119)	6.2	(0-30)	SW846 8260B
Benzene	**90**	**(73 - 123)**			**SW846 8260B**
	92	**(73 - 123)**	**1.8**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	76 a	(85 - 120)			SW846 8260B
	84 a	(85 - 120)	9.2	(0-30)	SW846 8260B
Bromoform	66 a	(79 - 135)			SW846 8260B
	68 a	(79 - 135)	3.1	(0-30)	SW846 8260B
4-Methyl-2-pentanone	83	(74 - 140)			SW846 8260B
	85	(74 - 140)	1.8	(0-30)	SW846 8260B
2-Hexanone	85	(57 - 148)			SW846 8260B
	86	(57 - 148)	0.88	(0-31)	SW846 8260B
Tetrachloroethene	92	(75 - 116)			SW846 8260B
	96	(75 - 116)	4.2	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	93	(74 - 144)			SW846 8260B
	101	(74 - 144)	8.5	(0-30)	SW846 8260B
Toluene	**93**	**(67 - 129)**			**SW846 8260B**
	102	**(67 - 129)**	**9.2**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**91**	**(70 - 122)**			**SW846 8260B**
	96	**(70 - 122)**	**4.8**	**(0-14)**	**SW846 8260B**
Ethylbenzene	90	(86 - 113)			SW846 8260B
	95	(86 - 113)	5.7	(0-30)	SW846 8260B
Styrene	89	(87 - 115)			SW846 8260B
	91	(87 - 115)	3.0	(0-30)	SW846 8260B
Xylenes (total)	90	(88 - 114)			SW846 8260B
	95	(88 - 114)	4.7	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	84	(82 - 116)			SW846 8260B
	89	(82 - 116)	6.3	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	84	(77 - 115)			SW846 8260B
	86	(77 - 115)	2.3	(0-30)	SW846 8260B
n-Hexane	91	(57 - 129)			SW846 8260B
	93	(57 - 129)	2.2	(0-30)	SW846 8260B
Cyclohexane	85	(60 - 140)			SW846 8260B
	89	(60 - 140)	4.7	(0-20)	SW846 8260B
1,2-Dibromo-3-chloro-propane	74	(60 - 140)			SW846 8260B
	70	(60 - 140)	5.6	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JT5011AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7D180233-007 JT5011AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	89	(60 - 140)			SW846 8260B
	93	(60 - 140)	4.8	(0-20)	SW846 8260B
1,3-Dichlorobenzene	89	(60 - 140)			SW846 8260B
	96	(60 - 140)	7.3	(0-20)	SW846 8260B
1,4-Dichlorobenzene	92	(60 - 140)			SW846 8260B
	96	(60 - 140)	4.4	(0-20)	SW846 8260B
Dichlorodifluoromethane	73	(60 - 140)			SW846 8260B
	79	(60 - 140)	7.5	(0-20)	SW846 8260B
Freon 113	92	(60 - 140)			SW846 8260B
	101	(60 - 140)	8.5	(0-20)	SW846 8260B
Isopropylbenzene	98	(60 - 140)			SW846 8260B
	100	(60 - 140)	2.1	(0-20)	SW846 8260B
Methyl acetate	80	(60 - 140)			SW846 8260B
	81	(60 - 140)	0.90	(0-20)	SW846 8260B
Methylcyclohexane	85	(60 - 140)			SW846 8260B
	90	(60 - 140)	5.0	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	76	(60 - 140)			SW846 8260B
	79	(60 - 140)	4.4	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	80	(60 - 140)			SW846 8260B
	70	(60 - 140)	14	(0-20)	SW846 8260B
Trichlorofluoromethane	83	(60 - 140)			SW846 8260B
	87	(60 - 140)	4.6	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
	91	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
	92	(50 - 150)
Toluene-d8	98	(50 - 150)
	100	(50 - 150)
4-Bromofluorobenzene	88	(50 - 150)
	86	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AD-MSD
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	80	(60 - 140)			SW846 8260B
	92	(60 - 140)	14	(0-20)	SW846 8260B
Chloromethane	64	(41 - 125)			SW846 8260B
	75	(41 - 125)	15	(0-30)	SW846 8260B
Bromomethane	71	(53 - 155)			SW846 8260B
	84	(53 - 155)	16	(0-30)	SW846 8260B
Vinyl chloride	73	(52 - 122)			SW846 8260B
	85	(52 - 122)	15	(0-30)	SW846 8260B
Chloroethane	71	(62 - 140)			SW846 8260B
	85	(62 - 140)	17	(0-30)	SW846 8260B
Methylene chloride	75	(70 - 129)			SW846 8260B
	86	(70 - 129)	14	(0-30)	SW846 8260B
Acetone	59	(10 - 166)			SW846 8260B
	70	(10 - 166)	17	(0-32)	SW846 8260B
Carbon disulfide	67	(66 - 135)			SW846 8260B
	80	(66 - 135)	17	(0-31)	SW846 8260B
1,1-Dichloroethene	**73**	**(57 - 138)**			**SW846 8260B**
	88 p	**(57 - 138)**	**19**	**(0-15)**	**SW846 8260B**
1,1-Dichloroethane	78 a	(84 - 121)			SW846 8260B
	92	(84 - 121)	17	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	75 a	(80 - 115)			SW846 8260B
	90	(80 - 115)	18	(0-30)	SW846 8260B
Chloroform	77 a	(85 - 124)			SW846 8260B
	93	(85 - 124)	18	(0-30)	SW846 8260B
1,2-Dichloroethane	85	(84 - 126)			SW846 8260B
	99	(84 - 126)	16	(0-30)	SW846 8260B
2-Butanone	85	(52 - 152)			SW846 8260B
	92	(52 - 152)	8.2	(0-30)	SW846 8260B
1,1,1-Trichloroethane	73 a	(78 - 128)			SW846 8260B
	85	(78 - 128)	15	(0-30)	SW846 8260B
Carbon tetrachloride	73 a	(80 - 125)			SW846 8260B
	85	(80 - 125)	16	(0-30)	SW846 8260B
Bromodichloromethane	74 a	(86 - 127)			SW846 8260B
	91	(86 - 127)	20	(0-30)	SW846 8260B
1,2-Dichloropropane	82 a	(83 - 121)			SW846 8260B
	95	(83 - 121)	16	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	64 a	(86 - 122)			SW846 8260B
	77 a	(86 - 122)	18	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**78**	**(58 - 141)**			**SW846 8260B**
	90	**(58 - 141)**	**14**	**(0-17)**	**SW846 8260B**
Dibromochloromethane	70 a	(85 - 124)			SW846 8260B
	81 a	(85 - 124)	14	(0-30)	SW846 8260B
1,1,2-Trichloroethane	80 a	(88 - 119)			SW846 8260B
	91	(88 - 119)	14	(0-30)	SW846 8260B
Benzene	**80**	**(73 - 123)**			**SW846 8260B**
	94 p	**(73 - 123)**	**16**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	66 a	(85 - 120)			SW846 8260B
	78 a	(85 - 120)	17	(0-30)	SW846 8260B
Bromoform	58 a	(79 - 135)			SW846 8260B
	70 a	(79 - 135)	18	(0-30)	SW846 8260B
4-Methyl-2-pentanone	73 a	(74 - 140)			SW846 8260B
	85	(74 - 140)	14	(0-30)	SW846 8260B
2-Hexanone	75	(57 - 148)			SW846 8260B
	86	(57 - 148)	13	(0-31)	SW846 8260B
Tetrachloroethene	79	(75 - 116)			SW846 8260B
	92	(75 - 116)	15	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	84	(74 - 144)			SW846 8260B
	95	(74 - 144)	12	(0-30)	SW846 8260B
Toluene	**83**	**(67 - 129)**			**SW846 8260B**
	95	**(67 - 129)**	**14**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**80**	**(70 - 122)**			**SW846 8260B**
	94 p	**(70 - 122)**	**16**	**(0-14)**	**SW846 8260B**
Ethylbenzene	78 a	(86 - 113)			SW846 8260B
	92	(86 - 113)	16	(0-30)	SW846 8260B
Styrene	75 a	(87 - 115)			SW846 8260B
	89	(87 - 115)	17	(0-30)	SW846 8260B
Xylenes (total)	78 a	(88 - 114)			SW846 8260B
	93	(88 - 114)	17	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	74 a	(82 - 116)			SW846 8260B
	89	(82 - 116)	18	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	76 a	(77 - 115)			SW846 8260B
	91	(77 - 115)	19	(0-30)	SW846 8260B
n-Hexane	83	(57 - 129)			SW846 8260B
	95	(57 - 129)	13	(0-30)	SW846 8260B
Cyclohexane	82	(60 - 140)			SW846 8260B
	90	(60 - 140)	8.8	(0-20)	SW846 8260B
1,2-Dibromo-3-chloro-propane	65	(60 - 140)			SW846 8260B
	77	(60 - 140)	17	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	77	(60 - 140)			SW846 8260B
	89	(60 - 140)	14	(0-20)	SW846 8260B
1,3-Dichlorobenzene	79	(60 - 140)			SW846 8260B
	87	(60 - 140)	11	(0-20)	SW846 8260B
1,4-Dichlorobenzene	81	(60 - 140)			SW846 8260B
	92	(60 - 140)	13	(0-20)	SW846 8260B
Dichlorodifluoromethane	74	(60 - 140)			SW846 8260B
	81	(60 - 140)	9.8	(0-20)	SW846 8260B
Freon 113	90	(60 - 140)			SW846 8260B
	101	(60 - 140)	11	(0-20)	SW846 8260B
Isopropylbenzene	85	(60 - 140)			SW846 8260B
	98	(60 - 140)	15	(0-20)	SW846 8260B
Methyl acetate	72	(60 - 140)			SW846 8260B
	85	(60 - 140)	17	(0-20)	SW846 8260B
Methylcyclohexane	81	(60 - 140)			SW846 8260B
	86	(60 - 140)	6.8	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	67	(60 - 140)			SW846 8260B
	78	(60 - 140)	16	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	67	(60 - 140)			SW846 8260B
	79	(60 - 140)	16	(0-20)	SW846 8260B
Trichlorofluoromethane	79	(60 - 140)			SW846 8260B
	89	(60 - 140)	11	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
	92	(50 - 150)
1,2-Dichloroethane-d4	96	(50 - 150)
	95	(50 - 150)
Toluene-d8	97	(50 - 150)
	97	(50 - 150)
4-Bromofluorobenzene	88	(50 - 150)
	88	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

a Spiked analyte recovery is outside stated control limits.

GCMS SEMIVOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 990 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	87	(32 - 112)
2-Fluorobiphenyl	80	(30 - 110)
Terphenyl-d14	86	(51 - 135)
Phenol-d5	80	(10 - 117)
2-Fluorophenol	53	(19 - 108)
2,4,6-Tribromophenol	80	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 15:40 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1040 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(32 - 112)
2-Fluorobiphenyl	73	(30 - 110)
Terphenyl-d14	89	(51 - 135)
Phenol-d5	71	(10 - 117)
2-Fluorophenol	48	(19 - 108)
2,4,6-Tribromophenol	71	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 13:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	68	(32 - 112)
2-Fluorobiphenyl	69	(30 - 110)
Terphenyl-d14	87	(51 - 135)
Phenol-d5	66	(10 - 117)
2-Fluorophenol	48	(19 - 108)
2,4,6-Tribromophenol	71	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-007 **Work Order #...:** JT4MW1AC **Matrix.....:** WG
Date Sampled...: 04/16/07 18:05 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-007 **Work Order #...:** JT4MW1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	**1.6 J**	**5.0**	**ug/L**
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	**2.3 J**	**5.0**	**ug/L**
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-007 **Work Order #...:** JT4MW1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(32 - 112)
2-Fluorobiphenyl	69	(30 - 110)
Terphenyl-d14	88	(51 - 135)
Phenol-d5	57	(10 - 117)
2-Fluorophenol	31	(19 - 108)
2,4,6-Tribromophenol	69	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M01AE **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 990 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M01AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**0.90 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M01AE **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	70	(32 - 112)
2-Fluorobiphenyl	67	(30 - 110)
Terphenyl-d14	93	(51 - 135)
Phenol-d5	61	(10 - 117)
2-Fluorophenol	45	(19 - 108)
2,4,6-Tribromophenol	67	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AC **Matrix.....:** WG
Date Sampled...: 04/17/07 09:20 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.9 J**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	67	(32 - 112)
2-Fluorobiphenyl	65	(30 - 110)
Terphenyl-d14	83	(51 - 135)
Phenol-d5	52	(10 - 117)
2-Fluorophenol	28	(19 - 108)
2,4,6-Tribromophenol	50	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M41AC **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M41AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M41AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(32 - 112)
2-Fluorobiphenyl	68	(30 - 110)
Terphenyl-d14	86	(51 - 135)
Phenol-d5	60	(10 - 117)
2-Fluorophenol	40	(19 - 108)
2,4,6-Tribromophenol	66	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AC **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AC **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	70	(30 - 110)
Terphenyl-d14	92	(51 - 135)
Phenol-d5	57	(10 - 117)
2-Fluorophenol	30	(19 - 108)
2,4,6-Tribromophenol	60	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AC **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 910 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AC **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AC **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	69	(32 - 112)
2-Fluorobiphenyl	64	(30 - 110)
Terphenyl-d14	89	(51 - 135)
Phenol-d5	57	(10 - 117)
2-Fluorophenol	37	(19 - 108)
2,4,6-Tribromophenol	62	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(32 - 112)
2-Fluorobiphenyl	73	(30 - 110)
Terphenyl-d14	91	(51 - 135)
Phenol-d5	67	(10 - 117)
2-Fluorophenol	58	(19 - 108)
2,4,6-Tribromophenol	78	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 11:45 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1040 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	63	(32 - 112)
2-Fluorobiphenyl	65	(30 - 110)
Terphenyl-d14	88	(51 - 135)
Phenol-d5	54	(10 - 117)
2-Fluorophenol	33	(19 - 108)
2,4,6-Tribromophenol	61	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 980 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	75	(32 - 112)
2-Fluorobiphenyl	71	(30 - 110)
Terphenyl-d14	86	(51 - 135)
Phenol-d5	63	(10 - 117)
2-Fluorophenol	41	(19 - 108)
2,4,6-Tribromophenol	71	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 10:10 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 990 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	**4.6 J**	**5.0**	**ug/L**
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	**1.1**	**1.0**	**ug/L**
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(32 - 112)
2-Fluorobiphenyl	74	(30 - 110)
Terphenyl-d14	91	(51 - 135)
Phenol-d5	66	(10 - 117)
2-Fluorophenol	44	(19 - 108)
2,4,6-Tribromophenol	69	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AC **Matrix.....:** WG
Date Sampled...: 04/17/07 10:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(32 - 112)
2-Fluorobiphenyl	72	(30 - 110)
Terphenyl-d14	87	(51 - 135)
Phenol-d5	69	(10 - 117)
2-Fluorophenol	55	(19 - 108)
2,4,6-Tribromophenol	71	(42 - 124)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4RC1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D180000-121

Prep Date.....: 04/18/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/30/07 **Prep Batch #...:** 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzoic acid	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	5.0	ug/L	SW846 8270C
Phenol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4RC1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Diethyl phthalate	ND	1.0	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Acenaphthene	ND	0.20	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78	(32 - 112)
2-Fluorobiphenyl	71	(30 - 110)
Terphenyl-d14	101	(51 - 135)
Phenol-d5	64	(10 - 117)
2-Fluorophenol	40	(19 - 108)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 Work Order #...: JT4RC1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Tribromophenol	66	(42 - 124)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7108121 **Analysis Method :** 8270C **Analysis Date :** 04/30/2007

Preparation Batch : 7108121 **Preparation Type :** 3520C **Preparation Date :** 04/18/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A7D180000121C	AQ	Hexachlorocyclopentadiene	11		30.00	30.00	115.00	30.00
		Isophorone	118		30.00	33.00	115.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGCBPmw-007C-0436-GW	A7D180106005
FWGDA2mw-DET1bR-0437-GW	A7D180106021
FWGDETmw-3bR-0444-GW	A7D180106025
FWGDETmw-4bR-0445-GW	A7D180106011
FWGEQUIPRinse1-0456-GW	A7D180106015
FWGEQUIPRinse2-0457-GW	A7D180106017
FWGLL11mw-002C-0429-GW	A7D180106019
FWGLL11mw-007C-0430-GW	A7D180106009
FWGLL11mw-DUP5-0455-GW	A7D180106013
FWGLL1mw-083C-0421-GW	A7D180106007
FWGLL2mw-262C-0423-GW	A7D180106023
FWGLL2mw-263C-0424-GW	A7D180106003
FWGLL3mw-240C-0426-GW	A7D180106027
FWGLL4mw-198C-0427-GW	A7D180106001

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4RC1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D180000-121
Prep Date.....: 04/18/07 **Analysis Date..:** 04/30/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	47	(30 - 136)	SW846 8270C
Phenol	**82**	**(30 - 115)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	99	(30 - 115)	SW846 8270C
2-Chlorophenol	**76**	**(30 - 120)**	**SW846 8270C**
1,3-Dichlorobenzene	74	(30 - 120)	SW846 8270C
1,4-Dichlorobenzene	**106**	**(30 - 115)**	**SW846 8270C**
1,2-Dichlorobenzene	80	(30 - 120)	SW846 8270C
2-Methylphenol	84	(30 - 116)	SW846 8270C
bis(2-Chloroisopropyl) ether	99	(50 - 150)	SW846 8270C
4-Methylphenol	85	(31 - 115)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**107**	**(30 - 132)**	**SW846 8270C**
Hexachloroethane	64	(30 - 120)	SW846 8270C
Nitrobenzene	107	(31 - 115)	SW846 8270C
Isophorone	118 a	(33 - 115)	SW846 8270C
2-Nitrophenol	96	(33 - 115)	SW846 8270C
2,4-Dimethylphenol	49	(31 - 120)	SW846 8270C
bis(2-Chloroethoxy) methane	104	(30 - 115)	SW846 8270C
2,4-Dichlorophenol	87	(34 - 115)	SW846 8270C
1,2,4-Trichloro-benzene	**79**	**(30 - 120)**	**SW846 8270C**
Naphthalene	93	(30 - 119)	SW846 8270C
4-Chloroaniline	90	(30 - 133)	SW846 8270C
Hexachlorobutadiene	69	(30 - 120)	SW846 8270C
4-Chloro-3-methylphenol	**97**	**(31 - 121)**	**SW846 8270C**
2-Methylnaphthalene	105	(32 - 115)	SW846 8270C
Hexachlorocyclopenta-diene	11 a	(30 - 115)	SW846 8270C
2,4,6-Trichloro-phenol	97	(39 - 115)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4RC1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D180000-121

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4,5-Trichloro-phenol	90	(36 - 135)	SW846 8270C
2-Chloronaphthalene	94	(35 - 115)	SW846 8270C
2-Nitroaniline	115	(36 - 140)	SW846 8270C
Dimethyl phthalate	114	(42 - 116)	SW846 8270C
Acenaphthylene	106	(37 - 115)	SW846 8270C
2,6-Dinitrotoluene	106	(43 - 122)	SW846 8270C
3-Nitroaniline	104	(30 - 138)	SW846 8270C
2,4-Dinitrophenol	75	(29 - 146)	SW846 8270C
4-Nitrophenol	**100**	**(30 - 138)**	**SW846 8270C**
Dibenzofuran	105	(40 - 115)	SW846 8270C
2,4-Dinitrotoluene	**105**	**(34 - 151)**	**SW846 8270C**
Diethyl phthalate	116	(43 - 132)	SW846 8270C
4-Chlorophenyl phenyl ether	106	(40 - 115)	SW846 8270C
Fluorene	104	(41 - 115)	SW846 8270C
4-Nitroaniline	107	(30 - 140)	SW846 8270C
4,6-Dinitro-2-methylphenol	90	(42 - 144)	SW846 8270C
N-Nitrosodiphenylamine	109	(35 - 124)	SW846 8270C
4-Bromophenyl phenyl ether	107	(43 - 118)	SW846 8270C
Hexachlorobenzene	107	(42 - 123)	SW846 8270C
Pentachlorophenol	**93**	**(30 - 150)**	**SW846 8270C**
Phenanthrene	104	(45 - 117)	SW846 8270C
Anthracene	107	(45 - 118)	SW846 8270C
Carbazole	113	(49 - 126)	SW846 8270C
Di-n-butyl phthalate	118	(46 - 123)	SW846 8270C
Fluoranthene	117	(47 - 132)	SW846 8270C
Pyrene	**110**	**(35 - 139)**	**SW846 8270C**
Butyl benzyl phthalate	120	(37 - 136)	SW846 8270C
3,3'-Dichlorobenzidine	87	(30 - 160)	SW846 8270C
Benzo(a)anthracene	107	(43 - 138)	SW846 8270C
Chrysene	110	(42 - 142)	SW846 8270C
bis(2-Ethylhexyl) phthalate	117	(30 - 154)	SW846 8270C
Di-n-octyl phthalate	105	(36 - 151)	SW846 8270C

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4RC1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D180000-121

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzo(b)fluoranthene	109	(31 - 146)	SW846 8270C
Benzo(k)fluoranthene	110	(40 - 127)	SW846 8270C
Benzo(a)pyrene	107	(38 - 144)	SW846 8270C
Indeno(1,2,3-cd)pyrene	113	(37 - 130)	SW846 8270C
Dibenz(a,h)anthracene	114	(38 - 130)	SW846 8270C
Benzo(ghi)perylene	112	(35 - 129)	SW846 8270C
Atrazine	129 a	(30 - 120)	SW846 8270C
Acetophenone	101	(30 - 120)	SW846 8270C
1,1'-Biphenyl	101	(30 - 120)	SW846 8270C
Caprolactam	107	(30 - 120)	SW846 8270C
Benzaldehyde	108	(30 - 120)	SW846 8270C
Acenaphthene	**104**	**(31 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	102	(32 - 112)
2-Fluorobiphenyl	93	(30 - 110)
Terphenyl-d14	112	(51 - 135)
Phenol-d5	80	(10 - 117)
2-Fluorophenol	53	(19 - 108)
2,4,6-Tribromophenol	93	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7108121 **Analysis Method :** 8270C **Analysis Date :** 04/26/2007

Preparation Batch : 7108121 **Preparation Type :** 3520C **Preparation Date :** 04/18/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGLL11mw-007C-0430	A7D180106009S	AQ	3,3'-Dichlorobenzidine	38		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	16		0.00	45.00	135.00	20.00
FWGLL11mw-007C-0430	A7D180106009D		3,3'-Dichlorobenzidine	35		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	12	31	0.00	45.00	135.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGLL11mw-007C-0430-GW	A7D180106009

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AG-MSD
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 520 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzoic acid	56	(10 - 127)			SW846 8270C
	50	(10 - 127)	11	(0-99)	SW846 8270C
Phenol	**66**	**(10 - 116)**			**SW846 8270C**
	64	**(10 - 116)**	**3.0**	**(0-43)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	78	(57 - 120)			SW846 8270C
	75	(57 - 120)	4.1	(0-51)	SW846 8270C
2-Chlorophenol	**62**	**(37 - 106)**			**SW846 8270C**
	61	**(37 - 106)**	**1.9**	**(0-43)**	**SW846 8270C**
1,3-Dichlorobenzene	65	(35 - 114)			SW846 8270C
	60	(35 - 114)	7.3	(0-89)	SW846 8270C
1,4-Dichlorobenzene	**92**	**(32 - 98)**			**SW846 8270C**
	85	**(32 - 98)**	**8.4**	**(0-36)**	**SW846 8270C**
1,2-Dichlorobenzene	70	(43 - 112)			SW846 8270C
	65	(43 - 112)	6.8	(0-85)	SW846 8270C
2-Methylphenol	73	(42 - 113)			SW846 8270C
	71	(42 - 113)	2.7	(0-73)	SW846 8270C
bis(2-Chloroisopropyl) ether	81	(53 - 122)			SW846 8270C
	77	(53 - 122)	4.6	(0-52)	SW846 8270C
4-Methylphenol	73	(29 - 122)			SW846 8270C
	70	(29 - 122)	3.2	(0-55)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**85**	**(18 - 115)**			**SW846 8270C**
	83	**(18 - 115)**	**2.6**	**(0-36)**	**SW846 8270C**
Hexachloroethane	57	(28 - 94)			SW846 8270C
	51	(28 - 94)	11	(0-92)	SW846 8270C
Nitrobenzene	87	(56 - 125)			SW846 8270C
	86	(56 - 125)	1.2	(0-81)	SW846 8270C
Isophorone	95	(56 - 112)			SW846 8270C
	94	(56 - 112)	1.1	(0-50)	SW846 8270C
2-Nitrophenol	80	(51 - 131)			SW846 8270C
	79	(51 - 131)	1.7	(0-77)	SW846 8270C
2,4-Dimethylphenol	47	(28 - 109)			SW846 8270C
	46	(28 - 109)	2.8	(0-62)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
bis(2-Chloroethoxy) methane	89	(57 - 114)			SW846 8270C
	86	(57 - 114)	3.2	(0-49)	SW846 8270C
2,4-Dichlorophenol	75	(52 - 121)			SW846 8270C
	73	(52 - 121)	2.6	(0-88)	SW846 8270C
1,2,4-Trichloro- benzene	**72**	**(22 - 110)**			**SW846 8270C**
	69	**(22 - 110)**	**4.9**	**(0-37)**	**SW846 8270C**
Naphthalene	83	(50 - 176)			SW846 8270C
	79	(50 - 176)	3.8	(0-52)	SW846 8270C
4-Chloroaniline	79	(15 - 109)			SW846 8270C
	75	(15 - 109)	4.4	(0-99)	SW846 8270C
Hexachlorobutadiene	65	(35 - 118)			SW846 8270C
	59	(35 - 118)	11	(0-56)	SW846 8270C
4-Chloro-3-methylphenol	**78**	**(47 - 111)**			**SW846 8270C**
	79	**(47 - 111)**	**0.65**	**(0-55)**	**SW846 8270C**
2-Methylnaphthalene	92	(45 - 119)			SW846 8270C
	89	(45 - 119)	4.0	(0-51)	SW846 8270C
Hexachlorocyclopenta- diene	16	(10 - 98)			SW846 8270C
	12	(10 - 98)	31	(0-97)	SW846 8270C
2,4,6-Trichloro- phenol	81	(46 - 122)			SW846 8270C
	81	(46 - 122)	0.64	(0-98)	SW846 8270C
2,4,5-Trichloro- phenol	78	(45 - 125)			SW846 8270C
	72	(45 - 125)	7.7	(0-74)	SW846 8270C
2-Chloronaphthalene	81	(51 - 119)			SW846 8270C
	79	(51 - 119)	2.9	(0-51)	SW846 8270C
2-Nitroaniline	86	(48 - 125)			SW846 8270C
	87	(48 - 125)	1.9	(0-83)	SW846 8270C
Dimethyl phthalate	96	(25 - 127)			SW846 8270C
	96	(25 - 127)	0.07	(0-99)	SW846 8270C
Acenaphthylene	89	(49 - 111)			SW846 8270C
	87	(49 - 111)	2.2	(0-51)	SW846 8270C
2,6-Dinitrotoluene	87	(58 - 127)			SW846 8270C
	88	(58 - 127)	1.6	(0-82)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
3-Nitroaniline	83	(19 - 126)			SW846 8270C
	85	(19 - 126)	2.7	(0-99)	SW846 8270C
2,4-Dinitrophenol	72	(14 - 138)			SW846 8270C
	75	(14 - 138)	4.0	(0-99)	SW846 8270C
4-Nitrophenol	**73**	**(10 - 123)**			**SW846 8270C**
	76	**(10 - 123)**	**4.2**	**(0-34)**	**SW846 8270C**
Dibenzofuran	89	(51 - 117)			SW846 8270C
	87	(51 - 117)	2.7	(0-51)	SW846 8270C
2,4-Dinitrotoluene	**84**	**(31 - 131)**			**SW846 8270C**
	86	**(31 - 131)**	**2.3**	**(0-32)**	**SW846 8270C**
Diethyl phthalate	96	(41 - 118)			SW846 8270C
	97	(41 - 118)	1.4	(0-81)	SW846 8270C
4-Chlorophenyl phenyl ether	91	(51 - 118)			SW846 8270C
	89	(51 - 118)	2.7	(0-51)	SW846 8270C
Fluorene	90	(51 - 119)			SW846 8270C
	89	(51 - 119)	0.84	(0-51)	SW846 8270C
4-Nitroaniline	85	(20 - 122)			SW846 8270C
	82	(20 - 122)	3.9	(0-99)	SW846 8270C
4,6-Dinitro-2-methylphenol	66	(40 - 130)			SW846 8270C
	70	(40 - 130)	6.1	(0-99)	SW846 8270C
N-Nitrosodiphenylamine	75	(49 - 117)			SW846 8270C
	72	(49 - 117)	4.3	(0-51)	SW846 8270C
4-Bromophenyl phenyl ether	91	(51 - 119)			SW846 8270C
	92	(51 - 119)	1.3	(0-51)	SW846 8270C
Hexachlorobenzene	92	(48 - 123)			SW846 8270C
	91	(48 - 123)	1.2	(0-51)	SW846 8270C
Pentachlorophenol	**83**	**(38 - 137)**			**SW846 8270C**
	88	**(38 - 137)**	**6.1**	**(0-56)**	**SW846 8270C**
Phenanthrene	88	(52 - 117)			SW846 8270C
	89	(52 - 117)	1.4	(0-51)	SW846 8270C
Anthracene	89	(49 - 118)			SW846 8270C
	90	(49 - 118)	1.5	(0-51)	SW846 8270C
Carbazole	93	(48 - 119)			SW846 8270C
	95	(48 - 119)	2.2	(0-53)	SW846 8270C
Di-n-butyl phthalate	96	(41 - 121)			SW846 8270C
	99	(41 - 121)	2.9	(0-53)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Fluoranthene	97	(49 - 122)			SW846 8270C
	100	(49 - 122)	2.4	(0-53)	SW846 8270C
Pyrene	**88**	**(27 - 138)**			**SW846 8270C**
	92	**(27 - 138)**	**4.4**	**(0-31)**	**SW846 8270C**
Butyl benzyl phthalate	91	(41 - 127)			SW846 8270C
	96	(41 - 127)	4.6	(0-84)	SW846 8270C
3,3'-Dichlorobenzidine	38	(19 - 111)			SW846 8270C
	35	(19 - 111)	6.1	(0-99)	SW846 8270C
Benzo(a)anthracene	87	(48 - 115)			SW846 8270C
	90	(48 - 115)	3.5	(0-51)	SW846 8270C
Chrysene	89	(49 - 118)			SW846 8270C
	92	(49 - 118)	3.4	(0-52)	SW846 8270C
bis(2-Ethylhexyl) phthalate	92	(43 - 128)			SW846 8270C
	95	(43 - 128)	3.4	(0-84)	SW846 8270C
Di-n-octyl phthalate	85	(39 - 144)			SW846 8270C
	88	(39 - 144)	4.2	(0-89)	SW846 8270C
Benzo(b)fluoranthene	95	(44 - 123)			SW846 8270C
	99	(44 - 123)	3.7	(0-54)	SW846 8270C
Benzo(k)fluoranthene	91	(46 - 123)			SW846 8270C
	94	(46 - 123)	3.1	(0-53)	SW846 8270C
Benzo(a)pyrene	89	(44 - 122)			SW846 8270C
	92	(44 - 122)	3.6	(0-51)	SW846 8270C
Indeno(1,2,3-cd)pyrene	94	(39 - 126)			SW846 8270C
	98	(39 - 126)	3.6	(0-59)	SW846 8270C
Dibenz(a,h)anthracene	96	(45 - 127)			SW846 8270C
	98	(45 - 127)	2.7	(0-57)	SW846 8270C
Benzo(ghi)perylene	93	(44 - 122)			SW846 8270C
	97	(44 - 122)	4.1	(0-55)	SW846 8270C
Atrazine	105	(30 - 120)			SW846 8270C
	108	(30 - 120)	2.8	(0-20)	SW846 8270C
Benzaldehyde	87	(30 - 120)			SW846 8270C
	83	(30 - 120)	4.8	(0-20)	SW846 8270C
Acetophenone	84	(30 - 120)			SW846 8270C
	81	(30 - 120)	3.9	(0-20)	SW846 8270C
1,1'-Biphenyl	87	(30 - 120)			SW846 8270C
	86	(30 - 120)	1.8	(0-20)	SW846 8270C
Caprolactam	84	(30 - 120)			SW846 8270C
	85	(30 - 120)	0.97	(0-20)	SW846 8270C
Acenaphthene	**89**	**(26 - 118)**			**SW846 8270C**
	87	**(26 - 118)**	**2.0**	**(0-35)**	**SW846 8270C**

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(32 - 112)
	79	(32 - 112)
2-Fluorobiphenyl	82	(30 - 110)
	78	(30 - 110)
Terphenyl-d14	92	(51 - 135)
	92	(51 - 135)
Phenol-d5	64	(10 - 117)
	61	(10 - 117)
2-Fluorophenol	39	(19 - 108)
	37	(19 - 108)
2,4,6-Tribromophenol	74	(42 - 124)
	73	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

PESTICIDE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(39 - 130)
Decachlorobiphenyl	9.6 *	(10 - 147)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN2AD **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07
Prep Date.....: 04/28/07 **Analysis Date..:** 04/30/07
Prep Batch #...: 7117247
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.038 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(39 - 130)
Decachlorobiphenyl	25	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 15:40 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 950 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(39 - 130)
Decachlorobiphenyl	48	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 13:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(39 - 130)
Decachlorobiphenyl	70	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-007	**Work Order #...:**	JT4MW1AD	**Matrix.....:**	WG
Date Sampled...:	04/16/07 18:05	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/23/07		
Prep Batch #...:	7108116				
Dilution Factor:	1	**Initial Wgt/Vol:**	1030 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	**0.011 J**	**0.030**	**ug/L**
beta-BHC	**0.17 PG**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	**0.024 J**	**0.030**	**ug/L**
Methoxychlor	**0.028 J**	**0.10**	**ug/L**
Endrin ketone	**0.044 PG**	**0.030**	**ug/L**
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(39 - 130)
Decachlorobiphenyl	83	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M01AH **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 980 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.038 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(39 - 130)
Decachlorobiphenyl	66	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AD **Matrix.....:** WG
Date Sampled...: 04/17/07 09:20 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(39 - 130)
Decachlorobiphenyl	29	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M41AD **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(39 - 130)
Decachlorobiphenyl	33	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AD **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(39 - 130)
Decachlorobiphenyl	72	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AD **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	**0.067 PG**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(39 - 130)
Decachlorobiphenyl	22	(10 - 147)

NOTE(S):

PG The percent difference between the original and confirmation analyses is greater than 40%.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	**0.21 PG**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.031 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(39 - 130)
Decachlorobiphenyl	64	(10 - 147)

NOTE(S):

PG The percent difference between the original and confirmation analyses is greater than 40%.

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 11:45 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(39 - 130)
Decachlorobiphenyl	64	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 910 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(39 - 130)
Decachlorobiphenyl	36	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 10:10 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	47	(39 - 130)
Decachlorobiphenyl	35	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AD **Matrix.....:** WG
Date Sampled...: 04/17/07 10:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 980 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	**0.021 J**	**0.10**	**ug/L**
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(39 - 130)
Decachlorobiphenyl	37	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

FORM 8
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D180106

GC Column: CLP PESTICIDES II ID: 0.53 (mm) Init. Calib. Date(s): 04/12/07 04/12/07

Instrument ID: A2HP9

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		TOX3 D897	04/23/07	1117		
02		PEM E039	04/23/07	1737		
03		AB3 E005	04/23/07	2013		
04		MRL	04/23/07	2036		
05	FWGLL4MW-198	JT4MN1AD	04/23/07	2058		
06	FWGLL2MW-263	JT4MQ1AD	04/23/07	2120		
07	FWGCBPMW-007	JT4MT1AD	04/23/07	2143		
08	FWGLL1MW-083	JT4MW1AD	04/23/07	2205		
09	FWGLL11MW-00	JT4M01AH	04/23/07	2227		
10	FWGLL11MW-00	JT4M01AJ	04/23/07	2250		
11	FWGLL11MW-00	JT4M01AK	04/23/07	2312		
12	FWGDETMW-4BR	JT4M21AD	04/23/07	2334		
13	FWGLL11MW-DU	JT4M41AD	04/23/07	2357		
14	FWGEQUIPRINS	JT4M61AD	04/24/07	0019		
15	FWGEQUIPRINS	JT4M81AD	04/24/07	0041		
16	FWGLL11MW-00	JT4NC1AD	04/24/07	0104		
17	FWGDA2MW-DET	JT4NE1AD	04/24/07	0126		
18	FWGLL2MW-262	JT4NG1AD	04/24/07	0149		
19	FWGDETMW-3BR	JT4NJ1AD	04/24/07	0211		
20	FWGLL3MW-240	JT4NT1AD	04/24/07	0233		
21	JT4Q8BLK	JT4Q81AA	04/24/07	0256		
22	JT4Q8CHK	JT4Q81AC	04/24/07	0318		
23		PEM E039	04/24/07	0340		
24		AB3 E005	04/24/07	0403		
25		MRL	04/24/07	0425		
26		TOX3 D897	04/24/07	1941		
27						
28						
29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 23-APR-2007 20:13
Lab File ID: 029F2901.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	81990480	81990480	0.000	-3.72817	15.00000	Averaged	
4 alpha-BHC	128794705	140156600	140156600	0.010	-8.82171	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	85753280	85753280	0.010	-16.88805	15.00000	Averaged	<-
6 beta-BHC	45761657	50508360	50508360	0.010	-10.37266	15.00000	Averaged	
7 delta-BHC	109863679	120436280	120436280	0.010	-9.62338	15.00000	Averaged	
8 Heptachlor	90540498	109642600	109642600	0.010	-21.09785	15.00000	Averaged	<-
10 Aldrin	114771648	121366800	121366800	0.010	-5.74632	15.00000	Averaged	
12 Heptachlor epoxide	100418434	112477720	112477720	0.010	-12.00904	15.00000	Averaged	
13 gamma-Chlordane	99670232	108303640	108303640	0.010	-8.66197	15.00000	Averaged	
14 alpha-Chlordane	101825510	108527840	108527840	0.010	-6.58217	15.00000	Averaged	
15 Endosulfan I	96547530	103181800	103181800	0.010	-6.87151	15.00000	Averaged	
16 4,4'-DDE	103540003	108068200	108068200	0.010	-4.37338	15.00000	Averaged	
17 Dieldrin	102742603	109799520	109799520	0.010	-6.86854	15.00000	Averaged	
18 Endrin	91631696	103021680	103021680	0.010	-12.43018	15.00000	Averaged	
20 4,4'-DDD	63752723	74635640	74635640	0.010	-17.07051	15.00000	Averaged	<-
22 Endosulfan II	89214558	98912920	98912920	0.010	-10.87083	15.00000	Averaged	
23 4,4'-DDT	60776833	62055000	62055000	0.010	-2.10305	15.00000	Averaged	
25 Endrin aldehyde	60725424	67613760	67613760	0.010	-11.34341	15.00000	Averaged	
27 Methoxychlor	31931631	32792880	32792880	0.010	-2.69717	15.00000	Averaged	
28 Endosulfan sulfate	75068450	83113720	83113720	0.010	-10.71725	15.00000	Averaged	
29 Endrin ketone	75318670	85235720	85235720	0.010	-13.16679	15.00000	Averaged	
$ 30 Decachlorobiphenyl	84660049	88489840	88489840	0.010	-4.52373	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 9.38944
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

196.31577 / 20 = 9.9

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 04:03
Lab File ID: 050F5001.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	83393680	83393680	0.000	-5.50339	15.00000	Averaged	
4 alpha-BHC	128794705	143306200	143306200	0.010	-11.26715	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	86092040	86092040	0.010	-17.34981	15.00000	Averaged	<-
6 beta-BHC	45761657	51335560	51335560	0.010	-12.18029	15.00000	Averaged	
7 delta-BHC	109863679	124111160	124111160	0.010	-12.96833	15.00000	Averaged	
8 Heptachlor	90540498	110900040	110900040	0.010	-22.48667	15.00000	Averaged	<-
10 Aldrin	114771648	122741480	122741480	0.010	-6.94408	15.00000	Averaged	
12 Heptachlor epoxide	100418434	110804640	110804640	0.010	-10.34293	15.00000	Averaged	
13 gamma-Chlordane	99670232	108250120	108250120	0.010	-8.60828	15.00000	Averaged	
14 alpha-Chlordane	101825510	110150160	110150160	0.010	-8.17541	15.00000	Averaged	
15 Endosulfan I	96547530	105201400	105201400	0.010	-8.96333	15.00000	Averaged	
16 4,4'-DDE	103540003	110490920	110490920	0.010	-6.71327	15.00000	Averaged	
17 Dieldrin	102742603	111433000	111433000	0.010	-8.45842	15.00000	Averaged	
18 Endrin	91631696	104453800	104453800	0.010	-13.99309	15.00000	Averaged	
20 4,4'-DDD	63752723	77035600	77035600	0.010	-20.83500	15.00000	Averaged	<-
22 Endosulfan II	89214558	100061520	100061520	0.010	-12.15829	15.00000	Averaged	
23 4,4'-DDT	60776833	67990880	67990880	0.010	-11.86973	15.00000	Averaged	
25 Endrin aldehyde	60725424	71062560	71062560	0.010	-17.02275	15.00000	Averaged	<-
27 Methoxychlor	31931631	37770840	37770840	0.010	-18.28660	15.00000	Averaged	<-
28 Endosulfan sulfate	75068450	85737760	85737760	0.010	-14.21278	15.00000	Averaged	
29 Endrin ketone	75318670	89891040	89891040	0.010	-19.34762	15.00000	Averaged	<-
$ 30 Decachlorobiphenyl	84660049	94867800	94867800	0.010	-12.05734	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 12.71566
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 23-APR-2007 11:17
Lab File ID: 005F0501.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: TOX3 D897 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
23 Toxaphene (1)	4492994	3767478	3767478	0.010	16.14773	15.00000	Averaged	<-
(2)	4247130	3586513	3586513	0.010	15.55444	15.00000	Averaged	<-
(3)	6737495	5802976	5802976	0.010	13.87042	15.00000	Averaged	
(4)	3107323	2530826	2530826	0.010	18.55284	15.00000	Averaged	<-
(5)	2872350	2366209	2366209	0.010	17.62116	15.00000	Averaged	<-

Average %D / Drift Results.	
Calculated Average %D/Drift =	16.34932
Maximun Average %D/Drift =	15.00000
* Failed Average %D/Drift Test.	

FORM 8
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D180106

GC Column: CLP PESTICIDES I ID: 0.53 (mm) Init. Calib. Date(s): 04/12/07 04/12/07

Instrument ID: A2HP9

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION		
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01		PEM E039	04/30/07	1146				
02		TOX3 D897	04/30/07	1253				
03		AB3 E005	04/30/07	1423				
04		MRL	04/30/07	1445				
05	FWGLL4MW-198	JT4MN2AD	04/30/07	1552				
06	JVTN7BLK	JVTN71AA	04/30/07	1614				
07	JVTN7CHK	JVTN71AC	04/30/07	1637				
08	JVTN7CKDUP	JVTN71AD	04/30/07	1659				
09		TOX3 D897	04/30/07	1721				
10		PEM E039	04/30/07	1806				
11		AB3 E005	04/30/07	1828				
12		MRL	04/30/07	1850				
13								
14								
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16								
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18								
19								
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31								
32								

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 30-APR-2007 12:53
Lab File ID: 005F0501.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: TOX3 D897 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70429A-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
23 Toxaphene(1)	4492994	3605192	3605192	0.010	19.75971	15.00000	Averaged	<-
(2)	4247130	3424144	3424144	0.010	19.37747	15.00000	Averaged	<-
(3)	6737495	5353619	5353619	0.010	20.53992	15.00000	Averaged	<-
(4)	3107323	2382424	2382424	0.010	23.32872	15.00000	Averaged	<-
(5)	2872350	2235745	2235745	0.010	22.16322	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 21.03381
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

Avg = 21.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 30-APR-2007 17:21
Lab File ID: 017F1701.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: TOX3 D897 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70429A-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
23 Toxaphene(1)	4492994	3711045	3711045	0.010	17.40375	15.00000	Averaged	<-
(2)	4247130	3528907	3528907	0.010	16.91079	15.00000	Averaged	<-
(3)	6737495	5653476	5653476	0.010	16.08935	15.00000	Averaged	<-
(4)	3107323	2576455	2576455	0.010	17.08441	15.00000	Averaged	<-
(5)	2872350	2323596	2323596	0.010	19.10472	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 17.31860
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

Avg = 17.3

QC Outlier Report: Holding Times

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

					Actual Holding Time			Criteria				Reported Dates (and Times)		
Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Prep Method	Coll To Prep	Prep To Ana	Coll To Ana	Coll To Prep	Prep To Ana	Coll To Ana	Unit of Meas	Collection Date	Preparation Date	Analysis Date
FWGLL4mw-198C-04	A7D180106001	8081A	AQ	3520C	11.0	2.0		7	40		Days	04/17/2007	04/28/2007	04/30/2007

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4Q81AA **Matrix.....:** WATER
MB Lot-Sample #: A7D180000-116

Prep Date.....: 04/18/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/24/07 **Prep Batch #...:** 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	0.030	ug/L	SW846 8081A
beta-BHC	ND	0.030	ug/L	SW846 8081A
delta-BHC	ND	0.030	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.030	ug/L	SW846 8081A
Heptachlor	ND	0.030	ug/L	SW846 8081A
Aldrin	ND	0.030	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.030	ug/L	SW846 8081A
Endosulfan I	ND	0.025	ug/L	SW846 8081A
Dieldrin	ND	0.030	ug/L	SW846 8081A
4,4'-DDE	ND	0.030	ug/L	SW846 8081A
Endrin	ND	0.030	ug/L	SW846 8081A
Endosulfan II	ND	0.025	ug/L	SW846 8081A
4,4'-DDD	ND	0.030	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.030	ug/L	SW846 8081A
4,4'-DDT	ND	0.030	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Endrin ketone	ND	0.030	ug/L	SW846 8081A
Endrin aldehyde	ND	0.030	ug/L	SW846 8081A
alpha-Chlordane	ND	0.030	ug/L	SW846 8081A
gamma-Chlordane	ND	0.030	ug/L	SW846 8081A
Toxaphene	ND	2.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(39 - 130)
Decachlorobiphenyl	66	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JVTN71AA **Matrix.....:** WATER
MB Lot-Sample #: A7D270000-247

Prep Date.....: 04/28/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/30/07 **Prep Batch #...:** 7117247
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	0.030	ug/L	SW846 8081A
beta-BHC	ND	0.030	ug/L	SW846 8081A
delta-BHC	ND	0.030	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.030	ug/L	SW846 8081A
Heptachlor	ND	0.030	ug/L	SW846 8081A
Aldrin	ND	0.030	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.030	ug/L	SW846 8081A
Endosulfan I	ND	0.025	ug/L	SW846 8081A
Dieldrin	ND	0.030	ug/L	SW846 8081A
4,4'-DDE	ND	0.030	ug/L	SW846 8081A
Endrin	ND	0.030	ug/L	SW846 8081A
Endosulfan II	ND	0.025	ug/L	SW846 8081A
4,4'-DDD	ND	0.030	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.030	ug/L	SW846 8081A
4,4'-DDT	ND	0.030	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Endrin ketone	ND	0.030	ug/L	SW846 8081A
Endrin aldehyde	ND	0.030	ug/L	SW846 8081A
alpha-Chlordane	ND	0.030	ug/L	SW846 8081A
gamma-Chlordane	ND	0.030	ug/L	SW846 8081A
Toxaphene	ND	2.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(39 - 130)
Decachlorobiphenyl	53	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7108116 **Analysis Method :** 8081A **Analysis Date :** 04/24/2007

Preparation Batch : 7108116 **Preparation Type :** 3520C **Preparation Date :** 04/18/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
A7D180000116C	AQ	Endosulfan I	33		30.00	50.00	160.00	30.00
		Endosulfan II	42		30.00	50.00	144.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGCBPmw-007C-0436-GW	A7D180106005
FWGDA2mw-DET1bR-0437-GW	A7D180106021
FWGDETmw-3bR-0444-GW	A7D180106025
FWGDETmw-4bR-0445-GW	A7D180106011
FWGEQUIPRinse1-0456-GW	A7D180106015
FWGEQUIPRinse2-0457-GW	A7D180106017
FWGLL11mw-002C-0429-GW	A7D180106019
FWGLL11mw-007C-0430-GW	A7D180106009
FWGLL11mw-DUP5-0455-GW	A7D180106013
FWGLL1mw-083C-0421-GW	A7D180106007
FWGLL2mw-262C-0423-GW	A7D180106023
FWGLL2mw-263C-0424-GW	A7D180106003
FWGLL3mw-240C-0426-GW	A7D180106027
FWGLL4mw-198C-0427-GW	A7D180106001

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4Q81AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D180000-116
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 2 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	94	(44 - 137)	SW846 8081A
beta-BHC	98	(50 - 135)	SW846 8081A
delta-BHC	101	(58 - 160)	SW846 8081A
gamma-BHC (Lindane)	**101**	**(58 - 127)**	**SW846 8081A**
Heptachlor	**111**	**(48 - 150)**	**SW846 8081A**
Aldrin	**94**	**(53 - 128)**	**SW846 8081A**
Heptachlor epoxide	97	(50 - 127)	SW846 8081A
Endosulfan I	33 a	(50 - 160)	SW846 8081A
Dieldrin	**96**	**(50 - 124)**	**SW846 8081A**
4,4'-DDE	95	(50 - 130)	SW846 8081A
Endrin	**101**	**(50 - 137)**	**SW846 8081A**
Endosulfan II	42 a	(50 - 144)	SW846 8081A
4,4'-DDD	117	(50 - 137)	SW846 8081A
Endosulfan sulfate	101	(50 - 160)	SW846 8081A
4,4'-DDT	**109**	**(50 - 145)**	**SW846 8081A**
Methoxychlor	102	(50 - 160)	SW846 8081A
Endrin ketone	102	(50 - 150)	SW846 8081A
Endrin aldehyde	103	(30 - 160)	SW846 8081A
alpha-Chlordane	96	(50 - 122)	SW846 8081A
gamma-Chlordane	100	(50 - 130)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	84	(39 - 130)
Decachlorobiphenyl	38	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JVTN71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D270000-247 JVTN71AD-LCSD
Prep Date.....: 04/28/07 **Analysis Date..:** 04/30/07
Prep Batch #...: 7117247
Dilution Factor: 2 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	99	(44 - 137)			SW846 8081A
	95	(44 - 137)	3.8	(0-30)	SW846 8081A
beta-BHC	98	(50 - 135)			SW846 8081A
	92	(50 - 135)	5.7	(0-30)	SW846 8081A
delta-BHC	103	(58 - 160)			SW846 8081A
	97	(58 - 160)	5.5	(0-30)	SW846 8081A
gamma-BHC (Lindane)	**102**	**(58 - 127)**			**SW846 8081A**
	97	**(58 - 127)**	**4.9**	**(0-30)**	**SW846 8081A**
Heptachlor	**103**	**(48 - 150)**			**SW846 8081A**
	93	**(48 - 150)**	**10**	**(0-30)**	**SW846 8081A**
Aldrin	**95**	**(53 - 128)**			**SW846 8081A**
	91	**(53 - 128)**	**4.8**	**(0-30)**	**SW846 8081A**
Heptachlor epoxide	95	(50 - 127)			SW846 8081A
	91	(50 - 127)	4.0	(0-30)	SW846 8081A
Endosulfan I	59	(50 - 160)			SW846 8081A
	57	(50 - 160)	3.7	(0-30)	SW846 8081A
Dieldrin	**96**	**(50 - 124)**			**SW846 8081A**
	92	**(50 - 124)**	**4.2**	**(0-30)**	**SW846 8081A**
4,4'-DDE	96	(50 - 130)			SW846 8081A
	90	(50 - 130)	6.2	(0-30)	SW846 8081A
Endrin	**101**	**(50 - 137)**			**SW846 8081A**
	95	**(50 - 137)**	**6.0**	**(0-30)**	**SW846 8081A**
Endosulfan II	68	(50 - 144)			SW846 8081A
	65	(50 - 144)	5.3	(0-30)	SW846 8081A
4,4'-DDD	112	(50 - 137)			SW846 8081A
	104	(50 - 137)	6.6	(0-30)	SW846 8081A
Endosulfan sulfate	93	(50 - 160)			SW846 8081A
	88	(50 - 160)	6.1	(0-30)	SW846 8081A
4,4'-DDT	**102**	**(50 - 145)**			**SW846 8081A**
	86	**(50 - 145)**	**16**	**(0-30)**	**SW846 8081A**
Methoxychlor	93	(50 - 160)			SW846 8081A
	78	(50 - 160)	18	(0-30)	SW846 8081A
Endrin ketone	99	(50 - 150)			SW846 8081A
	88	(50 - 150)	11	(0-30)	SW846 8081A
Endrin aldehyde	100	(30 - 160)			SW846 8081A
	95	(30 - 160)	5.2	(0-30)	SW846 8081A
alpha-Chlordane	96	(50 - 122)			SW846 8081A
	92	(50 - 122)	4.3	(0-30)	SW846 8081A

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JVTN71AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D270000-247 JVTN71AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
gamma-Chlordane	100	(50 - 130)			SW846 8081A
	96	(50 - 130)	4.0	(0-30)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(39 - 130)
	90	(39 - 130)
Decachlorobiphenyl	54	(10 - 147)
	34	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7108116 **Analysis Method :** 8081A **Analysis Date :** 04/23/2007

Preparation Batch : 7108116 **Preparation Type :** 3520C **Preparation Date :** 04/18/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGLL11mw-007C-0430	A7D180106009S	AQ	Aldrin	24		0.00	40.00	140.00	20.00
			Endosulfan I	18		0.00	40.00	140.00	20.00
			Endosulfan II	22		0.00	40.00	140.00	20.00
FWGLL11mw-007C-0430	A7D180106009D		Aldrin		70	0.00	40.00	140.00	20.00
			Endosulfan I	19		0.00	40.00	140.00	20.00
			Endosulfan II	23		0.00	40.00	140.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGLL11mw-007C-0430-GW	A7D180106009

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D180106 Work Order #...: JT4M01AJ-MS Matrix.....: WG
MS Lot-Sample #: A7D180106-009 JT4M01AK-MSD
Date Sampled...: 04/17/07 11:12 Date Received..: 04/18/07
Prep Date.....: 04/18/07 Analysis Date..: 04/23/07
Prep Batch #...: 7108116
Dilution Factor: 1 Initial Wgt/Vol: 500 mL Final Wgt/Vol..: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	47 a	(62 - 133)			SW846 8081A
	50 a	(62 - 133)	5.9	(0-49)	SW846 8081A
beta-BHC	49	(37 - 157)			SW846 8081A
	52	(37 - 157)	4.7	(0-54)	SW846 8081A
delta-BHC	51	(36 - 176)			SW846 8081A
	54	(36 - 176)	6.2	(0-58)	SW846 8081A
gamma-BHC (Lindane)	**51**	**(30 - 148)**			**SW846 8081A**
	53	**(30 - 148)**	**4.5**	**(0-22)**	**SW846 8081A**
Heptachlor	**54**	**(30 - 150)**			**SW846 8081A**
	53	**(30 - 150)**	**3.5**	**(0-32)**	**SW846 8081A**
Aldrin	**24 a**	**(30 - 150)**			**SW846 8081A**
	50 p	**(30 - 150)**	**70**	**(0-33)**	**SW846 8081A**
Heptachlor epoxide	49 a	(57 - 138)			SW846 8081A
	51 a	(57 - 138)	3.9	(0-54)	SW846 8081A
Endosulfan I	18 a	(30 - 150)			SW846 8081A
	19 a	(30 - 150)	5.3	(0-36)	SW846 8081A
Dieldrin	**48**	**(35 - 141)**			**SW846 8081A**
	51	**(35 - 141)**	**5.9**	**(0-37)**	**SW846 8081A**
4,4'-DDE	47	(30 - 146)			SW846 8081A
	50	(30 - 146)	6.3	(0-87)	SW846 8081A
Endrin	**50**	**(30 - 150)**			**SW846 8081A**
	53	**(30 - 150)**	**4.9**	**(0-40)**	**SW846 8081A**
Endosulfan II	22 a	(30 - 150)			SW846 8081A
	23 a	(30 - 150)	7.5	(0-87)	SW846 8081A
4,4'-DDD	58	(30 - 150)			SW846 8081A
	63	(30 - 150)	7.2	(0-61)	SW846 8081A
Endosulfan sulfate	57	(47 - 143)			SW846 8081A
	53	(47 - 143)	6.8	(0-53)	SW846 8081A
4,4'-DDT	**52**	**(30 - 150)**			**SW846 8081A**
	50	**(30 - 150)**	**3.0**	**(0-50)**	**SW846 8081A**
Methoxychlor	48	(27 - 178)			SW846 8081A
	47	(27 - 178)	3.2	(0-64)	SW846 8081A
Endrin ketone	51	(45 - 130)			SW846 8081A
	52	(45 - 130)	2.1	(0-55)	SW846 8081A
Endrin aldehyde	52	(30 - 150)			SW846 8081A
	55	(30 - 150)	6.0	(0-97)	SW846 8081A
alpha-Chlordane	48	(38 - 140)			SW846 8081A
	51	(38 - 140)	4.8	(0-55)	SW846 8081A
gamma-Chlordane	50	(36 - 150)			SW846 8081A
	53	(36 - 150)	5.2	(0-57)	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	43	(39 - 130)
	46	(39 - 130)
Decachlorobiphenyl	30	(10 - 147)
	34	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

p Relative percent difference (RPD) is outside stated control limits.

POLYCHLORINATED BIPHENYLS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AG **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7108114
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	67	(35 - 130)
Decachlorobiphenyl	10	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-003	**Work Order #...:**	JT4MQ1AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 15:40	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	970 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(35 - 130)
Decachlorobiphenyl	46	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-005	**Work Order #...:**	JT4MT1AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 13:50	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1010 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(35 - 130)
Decachlorobiphenyl	56	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-007	**Work Order #...:**	JT4MW1AG	**Matrix.....:**	WG
Date Sampled...:	04/16/07 18:05	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1030 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	86	(35 - 130)
Decachlorobiphenyl	90	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-009	**Work Order #...:**	JT4M01AT	**Matrix.....:**	WG
Date Sampled...:	04/17/07 11:12	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	990 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(35 - 130)
Decachlorobiphenyl	49	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-011	**Work Order #...:**	JT4M21AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 09:20	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(35 - 130)
Decachlorobiphenyl	30	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-013	**Work Order #...:**	JT4M41AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 14:25	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1050 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	97	(35 - 130)
Decachlorobiphenyl	47	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-015	**Work Order #...:**	JT4M61AG	**Matrix.....:**	WQ
Date Sampled...:	04/16/07 18:50	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1030 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(35 - 130)
Decachlorobiphenyl	92	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-017	**Work Order #...:**	JT4M81AG	**Matrix.....:**	WQ
Date Sampled...:	04/17/07 17:40	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1050 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(35 - 130)
Decachlorobiphenyl	26	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-019	**Work Order #...:**	JT4NC1AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 14:25	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	90	(35 - 130)
Decachlorobiphenyl	44	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AG **Matrix.....:** WG
Date Sampled...: 04/17/07 11:45 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7108114
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	87	(35 - 130)
Decachlorobiphenyl	63	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AG **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7108114
Dilution Factor: 1 **Initial Wgt/Vol:** 890 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(35 - 130)
Decachlorobiphenyl	54	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-025	**Work Order #...:**	JT4NJ1AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 10:10	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	1020 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(35 - 130)
Decachlorobiphenyl	69	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

GC Semivolatiles

Lot-Sample #...:	A7D180106-027	**Work Order #...:**	JT4NT1AG	**Matrix.....:**	WG
Date Sampled...:	04/17/07 10:50	**Date Received..:**	04/18/07		
Prep Date.....:	04/18/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7108114				
Dilution Factor:	1	**Initial Wgt/Vol:**	980 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(35 - 130)
Decachlorobiphenyl	65	(10 - 110)

Data File: \\CANSVR11\DD\chem\GCS\a2hp4.i\704191C-1.b\044B4401.D
Report Date: 20-Apr-2007 08:05

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 20-APR-2007 01:31
Lab File ID: 044B4401.D Init. Cal. Date(s): 19-APR-2007 20-APR-2007
Analysis Type: Init. Cal. Times: 13:29 01:14
Lab Sample ID: ICV Quant Type: ESTD
Method: \\CANSVR11\DD\chem\GCS\a2hp4.i\704191C-1.b\HP4PCBF.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 AROCLOR-1016 (1)	844006	704514	0.010	16.52738	15.00000	Averaged	<-
(2)	1295092	1173827	0.010	9.36339	15.00000	Averaged	
(3)	1977029	1875952	0.010	5.11258	15.00000	Averaged	
(4)	796712	744209	0.010	6.58995	15.00000	Averaged	
(5)	950650	864443	0.010	9.06818	15.00000	Averaged	
8 AROCLOR-1260 (1)	1679544	1564190	0.010	6.86817	15.00000	Averaged	
(2)	2382828	2454229	0.010	-2.99646	15.00000	Averaged	
(3)	1619748	1353780	0.010	16.42033	15.00000	Averaged	<-
(4)	3621527	3139794	0.010	13.30193	15.00000	Averaged	
(5)	1805274	1670160	0.010	7.48439	15.00000	Averaged	

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D180106

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 04/19/07 04/20/07

Instrument ID: A2HP4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 1.80 S2 : 8.47

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	S1 #	S2 RT	S2 #
01		E029	04/20/07	1857	1.80		8.47	
02		MRL	04/20/07	1914	1.80		8.47	
03	FWGLL4MW-198	JT4MN1AG	04/20/07	1949	1.80		8.47	
04	FWGLL2MW-263	JT4MQ1AG	04/20/07	2006	1.80		8.47	
05	FWGCBPMW-007	JT4MT1AG	04/20/07	2023	1.80		8.47	
06	FWGLL1MW-083	JT4MW1AG	04/20/07	2040	1.81		8.47	
07	FWGLL11MW-00	JT4M01AT	04/20/07	2057	1.80		8.47	
08	FWGLL11MW-00	JT4M01AU	04/20/07	2114	1.80		8.47	
09	FWGLL11MW-00	JT4M01AV	04/20/07	2132	1.80		8.47	
10	FWGDETMW-4BR	JT4M21AG	04/20/07	2149	1.80		8.47	
11	FWGLL11MW-DU	JT4M41AG	04/20/07	2206	1.80		8.47	
12	FWGEQUIPRINS	JT4M61AG	04/20/07	2223	1.80		8.47	
13	FWGEQUIPRINS	JT4M81AG	04/20/07	2240	1.80		8.47	
14	FWGLL11MW-00	JT4NC1AG	04/20/07	2257	1.80		8.47	
15	FWGDA2MW-DET	JT4NE1AG	04/20/07	2315	1.81		8.47	
16	FWGLL2MW-262	JT4NG1AG	04/20/07	2332	1.80		8.47	
17	FWGDETMW-3BR	JT4NJ1AG	04/20/07	2349	1.80		8.47	
18	FWGLL3MW-240	JT4NT1AG	04/21/07	0006	1.81		8.47	
19	JT4Q6BLK	JT4Q61AA	04/21/07	0023	1.81		8.47	
20	JT4Q6CHK	JT4Q61AC	04/21/07	0040	1.80		8.47	
21		E029	04/21/07	0058	1.80		8.47	
22		MRL	04/21/07	0115	1.80		8.47	
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

QC LIMITS

S1 = TCMX (+/- 0.10 MINUTES)
S2 = DCB (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Data File: \\cansvr11\dd\chem\GCS\a2hp4.i\70420-1.b\039B3901.D
Report Date: 23-Apr-2007 14:17

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 20-APR-2007 19:14
Lab File ID: 039B3901.D Init. Cal. Date(s): 19-APR-2007 20-APR-2007
Analysis Type: Init. Cal. Times: 13:29 01:14
Lab Sample ID: MRL Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp4.i\70420-1.b\HP4PCBF.m

COMPOUND	RRF / AMOUNT	MIN RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	52778425	59002000	0.010	-11.79189	15.00000	Averaged	
3 AROCLOR-1016 (1)	844006	1077800	0.010	-27.70050	15.00000	Averaged	<-
(2)	1295092	1569240	0.010	-21.16827	15.00000	Averaged	<-
(3)	1977029	2371020	0.010	-19.92843	15.00000	Averaged	<-
(4)	796712	939800	0.010	-17.95983	15.00000	Averaged	<-
(5)	950650	1184860	0.010	-24.63687	15.00000	Averaged	<-
8 AROCLOR-1260 (1)	1679544	2089680	0.010	-24.41949	15.00000	Averaged	<-
(2)	2382828	3225240	0.010	-35.35343	15.00000	Averaged	<-
(3)	1619748	1983360	0.010	-22.44868	15.00000	Averaged	<-
(4)	3621527	4469740	0.010	-23.42141	15.00000	Averaged	<-
(5)	1805274	2268240	0.010	-25.64522	15.00000	Averaged	<-
$ 12 DCB	34421882	44212400	0.010	-28.44272	15.00000	Averaged	<-

26.3

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4Q61AA **Matrix.....:** WATER
MB Lot-Sample #: A7D180000-114

Prep Date.....: 04/18/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/21/07 **Prep Batch #...:** 7108114
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	0.50	ug/L	SW846 8082
Aroclor 1221	ND	0.50	ug/L	SW846 8082
Aroclor 1232	ND	0.50	ug/L	SW846 8082
Aroclor 1242	ND	0.50	ug/L	SW846 8082
Aroclor 1248	ND	0.50	ug/L	SW846 8082
Aroclor 1254	ND	0.50	ug/L	SW846 8082
Aroclor 1260	ND	0.50	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(35 - 130)
Decachlorobiphenyl	60	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4Q61AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D180000-114
Prep Date.....: 04/18/07 **Analysis Date..:** 04/21/07
Prep Batch #...: 7108114
Dilution Factor: 5 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**83**	**(50 - 115)**	**SW846 8082**
Aroclor 1260	**88**	**(45 - 112)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(35 - 130)
Decachlorobiphenyl	42	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AU-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AV-MSD
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7108114
Dilution Factor: 5 **Initial Wgt/Vol:** 525 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**93**	**(10 - 200)**			**SW846 8082**
	82	**(10 - 200)**	**13**	**(0-30)**	**SW846 8082**
Aroclor 1260	**93**	**(10 - 150)**			**SW846 8082**
	91	**(10 - 150)**	**2.1**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(35 - 130)
	71	(35 - 130)
Decachlorobiphenyl	71	(10 - 110)
	80	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METALS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GF

TOTAL Metals

Lot-Sample #...: A7D180106-002 **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MP1AX
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**28.2 B**	**50.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MP1AA**
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MP1AJ
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**12.8**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1AN**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4MP1AD
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**29200**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1AP**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4MP1AE
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**1.4 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1AQ**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MP1A2
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MP1AR
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GF

TOTAL Metals

Lot-Sample #...: A7D180106-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**5400**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MP1AF**
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1060 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1AW**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**14100**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1AT**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**1330 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1AU**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**9650**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1A0**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**36.6**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MP1AV**
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MP1AK
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4MP1AC
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MP1AL
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4MP1AG
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GF

TOTAL Metals

Lot-Sample #...: A7D180106-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MP1A1
		Dilution Factor: 1		Analysis Time..: 14:33	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**94.6 J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MP1AH**
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4MP1AM
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GF

TOTAL Metals

Lot-Sample #...: A7D180106-004 **Matrix.....:** WG
Date Sampled...: 04/17/07 15:40 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1A2
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4MR1AE
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**12.9**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MR1AM**
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**19.2**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MR1AR**
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4MR1AG
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**29600**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MR1AT**
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4MR1AH
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**2.4 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MR1AU**
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AD
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AV
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GF

TOTAL Metals

Lot-Sample #...: A7D180106-004 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	4160	20.0	ug/L	SW846 6020	04/19-04/25/07	JT4MR1AJ
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	602 B,J	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1A1
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	12900	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AW
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	1200 J	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AX
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	5240	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AA
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	5.7 B	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1A0
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AN
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4MR1AF
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AP
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4MR1AK
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GF

TOTAL Metals

Lot-Sample #...: A7D180106-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MR1AC
		Dilution Factor: 1		Analysis Time..: 14:38	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.6 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MR1AL**
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4MR1AQ
		Dilution Factor: 1		Analysis Time..: 12:16	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GF

TOTAL Metals

Lot-Sample #...: A7D180106-006 **Matrix.....:** WG
Date Sampled...: 04/17/07 13:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MV1A2
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4MV1AE
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**44.9**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1AM**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**9.9 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1AR**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4MV1AG
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**265000**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1AT**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4MV1AH
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**2.2 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1AU**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MV1AD
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MV1AV
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GF

TOTAL Metals

Lot-Sample #...: A7D180106-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**5610**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MV1AJ**
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**4960 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1A1**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**145000**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1AW**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**117 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1AX**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**88300**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1AA**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**3.8 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MV1A0**
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MV1AN
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4MV1AF
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MV1AP
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4MV1AK
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GF

TOTAL Metals

Lot-Sample #...: A7D180106-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MV1AC
		Dilution Factor: 1		Analysis Time..: 14:43	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**7.2 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MV1AL**
		Dilution Factor: 1		Analysis Time..: 12:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4MV1AQ
		Dilution Factor: 1		Analysis Time..: 12:17	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GF

TOTAL Metals

Lot-Sample #...: A7D180106-008 **Matrix.....:** WG
Date Sampled...: 04/16/07 18:05 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MX1A2
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**640**	**50.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MX1AE**
		Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MX1AM
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**16.4**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1AR**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	**0.19 B**	**1.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MX1AG**
		Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**17300**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1AT**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	**0.29 B**	**0.50**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MX1AH**
		Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**6.8**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1AU**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MX1AD
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.9 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1AV**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GF

TOTAL Metals

Lot-Sample #...: A7D180106-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**61.2**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MX1AJ**
		Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**2280 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1A1**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**4490**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1AW**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**427 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1AX**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**11800**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1AA**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**26.9**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4MX1A0**
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MX1AN
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4MX1AF
		Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MX1AP
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	**0.041 B**	**1.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MX1AK**
		Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GF

TOTAL Metals

Lot-Sample #...: A7D180106-008 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4MX1AC
		Dilution Factor: 1		Analysis Time..: 14:48	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**38.3 J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4MX1AL**
		Dilution Factor: 1		Analysis Time..: 12:35	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4MX1AQ
		Dilution Factor: 1		Analysis Time..: 12:18	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GF

TOTAL Metals

Lot-Sample #...: A7D180106-010 **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11DH
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4M11AL
		Dilution Factor: 1		Analysis Time..: 12:38	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**18.2**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M11CA**
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**88.1**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M11CP**
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M11AT
		Dilution Factor: 1		Analysis Time..: 12:38	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**90500**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M11CT**
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4M11AW
		Dilution Factor: 1		Analysis Time..: 12:38	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11CW
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11AH
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11C1
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GF

TOTAL Metals

Lot-Sample #...: A7D180106-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1560**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M11A1**
		Dilution Factor: 1		Analysis Time..: 12:38	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1310 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M11DE**
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**32200**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M11C4**
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**214 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M11C7**
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**13600**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M11AA**
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11DA
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11CE
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4M11AP
		Dilution Factor: 1		Analysis Time..: 12:38	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11CH
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M11A4
		Dilution Factor: 1		Analysis Time..: 12:38	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GF

TOTAL Metals

Lot-Sample #...: A7D180106-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M11AE
		Dilution Factor: 1		Analysis Time..: 15:09	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.7 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M11A7**
		Dilution Factor: 1		Analysis Time..: 12:38	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4M11CL
		Dilution Factor: 1		Analysis Time..: 12:07	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GF

TOTAL Metals

Lot-Sample #...: A7D180106-012 **Matrix.....:** WG
Date Sampled...: 04/17/07 09:20 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31A2
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4M31AE
		Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31AM
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**43.7**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M31AR**
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M31AG
		Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**140000**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M31AT**
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4M31AH
		Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31AU
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31AD
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.5 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M31AV**
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GF

TOTAL Metals

Lot-Sample #...: A7D180106-012 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**528**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M31AJ**
		Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1470 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M31A1**
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**28700**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M31AW**
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**1.6 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M31AX**
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**3750**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M31AA**
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31A0
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31AN
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4M31AF
		Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31AP
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M31AK
		Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GF

TOTAL Metals

Lot-Sample #...: A7D180106-012 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M31AC
		Dilution Factor: 1		Analysis Time..: 15:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**12.1 J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M31AL**
		Dilution Factor: 1		Analysis Time..: 13:01	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4M31AQ
		Dilution Factor: 1		Analysis Time..: 12:11	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GF

TOTAL Metals

Lot-Sample #...: A7D180106-014 **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51A2
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**27.3 B**	**50.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M51AE**
		Dilution Factor: 1		Analysis Time..: 13:04	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51AM
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**25.1**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M51AR**
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M51AG
		Dilution Factor: 1		Analysis Time..: 13:04	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**89500**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M51AT**
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	**1.1**	**0.50**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M51AH**
		Dilution Factor: 1		Analysis Time..: 13:04	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51AU
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51AD
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51AV
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GF

TOTAL Metals

Lot-Sample #...: A7D180106-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**424**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M51AJ**
		Dilution Factor: 1		Analysis Time..: 13:04	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1340 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M51A1**
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**23000**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M51AW**
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**272 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M51AX**
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**5840**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M51AA**
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**3.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M51A0**
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51AN
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4M51AF
		Dilution Factor: 1		Analysis Time..: 13:04	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51AP
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M51AK
		Dilution Factor: 1		Analysis Time..: 13:04	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GF

TOTAL Metals

Lot-Sample #...: A7D180106-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M51AC
		Dilution Factor: 1		Analysis Time..: 15:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**19.6 J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M51AL**
		Dilution Factor: 1		Analysis Time..: 13:04	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4M51AQ
		Dilution Factor: 1		Analysis Time..: 12:12	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

TOTAL Metals

Lot-Sample #...: A7D180106-015 **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A7
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AK
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AT
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AX
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AM
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A0
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4M61AN
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A1
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61CA
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A2
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

TOTAL Metals

Lot-Sample #...: A7D180106-015 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	20.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AP
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**143 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M61A6**
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A3
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A4
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A8
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A5
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AU
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AL
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AV
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AQ
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

TOTAL Metals

Lot-Sample #...: A7D180106-015 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A9
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.3 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M61AR**
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4M61AW
		Dilution Factor: 1		Analysis Time..: 12:13	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

TOTAL Metals

Lot-Sample #...: A7D180106-017 **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A7
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AK
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AT
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AX
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AM
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**95.0 B**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M81A0**
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4M81AN
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A1
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81CA
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**1.9 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M81A2**
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

TOTAL Metals

Lot-Sample #...: A7D180106-017 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	20.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AP
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**148 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M81A6**
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A3
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A4
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A8
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A5
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AU
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AL
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81AV
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M81AQ
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

TOTAL Metals

Lot-Sample #...: A7D180106-017 Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M81A9
		Dilution Factor: 1		Analysis Time..: 15:45	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.1 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M81AR**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4M81AW
		Dilution Factor: 1		Analysis Time..: 12:22	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GF

TOTAL Metals

Lot-Sample #...: A7D180106-020 **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1A2
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**20.5 B**	**50.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4ND1AE**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1AM
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**26.1**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4ND1AR**
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4ND1AG
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**93400**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4ND1AT**
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	**1.2**	**0.50**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4ND1AH**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1AU
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1AD
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.0 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4ND1AV**
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GF

TOTAL Metals

Lot-Sample #...: A7D180106-020 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**402**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4ND1AJ**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1390 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4ND1A1**
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**23900**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4ND1AW**
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**277 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4ND1AX**
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**6240**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4ND1AA**
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1A0
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1AN
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4ND1AF
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1AP
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4ND1AK
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GF

TOTAL Metals

Lot-Sample #...: A7D180106-020 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4ND1AC
		Dilution Factor: 1		Analysis Time..: 15:50	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**19.5 J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4ND1AL**
		Dilution Factor: 1		Analysis Time..: 13:12	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4ND1AQ
		Dilution Factor: 1		Analysis Time..: 12:24	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GF

TOTAL Metals

Lot-Sample #...: A7D180106-022 **Matrix.....:** WG
Date Sampled...: 04/17/07 11:45 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1A2
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4NF1AE
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1AM
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**28.8**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NF1AR**
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NF1AG
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**81000**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NF1AT**
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4NF1AH
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1AU
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1AD
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1AV
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GF

TOTAL Metals

Lot-Sample #...: A7D180106-022 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**952**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NF1AJ**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1320 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NF1A1**
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**27300**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NF1AW**
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**347 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NF1AX**
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**9250**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NF1AA**
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**1.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NF1A0**
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1AN
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4NF1AF
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1AP
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NF1AK
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GF

TOTAL Metals

Lot-Sample #...: A7D180106-022 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NF1AC
		Dilution Factor: 1		Analysis Time..: 15:55	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**10.4 J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NF1AL**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4NF1AQ
		Dilution Factor: 1		Analysis Time..: 12:25	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GF

TOTAL Metals

Lot-Sample #...: A7D180106-024 **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NH1A2
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**3.4 B**	**50.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NH1AE**
		Dilution Factor: 1		Analysis Time..: 13:18	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NH1AM
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**15.2**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1AR**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NH1AG
		Dilution Factor: 1		Analysis Time..: 13:18	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**42500**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1AT**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4NH1AH
		Dilution Factor: 1		Analysis Time..: 13:18	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**1.3 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1AU**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NH1AD
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**1.8 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1AV**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GF

TOTAL Metals

Lot-Sample #...: A7D180106-024 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**200**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NH1AJ**
		Dilution Factor: 1		Analysis Time..: 13:18	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1600 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1A1**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**30300**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1AW**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**281 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1AX**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**9180**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1AA**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**14.3**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NH1A0**
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NH1AN
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4NH1AF
		Dilution Factor: 1		Analysis Time..: 13:18	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NH1AP
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NH1AK
		Dilution Factor: 1		Analysis Time..: 13:18	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GF

TOTAL Metals

Lot-Sample #...: A7D180106-024 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NH1AC
		Dilution Factor: 1		Analysis Time..: 16:16	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.6 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NH1AL**
		Dilution Factor: 1		Analysis Time..: 13:18	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4NH1AQ
		Dilution Factor: 1		Analysis Time..: 12:26	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GF

TOTAL Metals

Lot-Sample #...: A7D180106-026 **Matrix.....:** WG
Date Sampled...: 04/17/07 10:10 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NL1A2
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4NL1AE
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**8.6**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1AM**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**52.3**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1AR**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NL1AG
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**91000**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1AT**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4NL1AH
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NL1AU
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NL1AD
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.4 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1AV**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GF

TOTAL Metals

Lot-Sample #...: A7D180106-026 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**1990**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NL1AJ**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1600 J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1A1**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**33300**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1AW**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**291 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1AX**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**13200**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1AA**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**1.6 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NL1A0**
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NL1AN
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4NL1AF
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NL1AP
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NL1AK
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GF

TOTAL Metals

Lot-Sample #...: A7D180106-026 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NL1AC
		Dilution Factor: 1		Analysis Time..: 16:21	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**7.8 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NL1AL**
		Dilution Factor: 1		Analysis Time..: 13:31	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4NL1AQ
		Dilution Factor: 1		Analysis Time..: 12:27	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B - Estimated result. Result is less than RL.

J - Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GF

TOTAL Metals

Lot-Sample #...: A7D180106-028 **Matrix.....:** WG
Date Sampled...: 04/17/07 10:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NV1A2
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**11.8 B**	**50.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NV1AE**
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NV1AM
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**8.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1AR**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NV1AG
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**11700**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1AT**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4NV1AH
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NV1AU
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NV1AD
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**2.6 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1AV**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GF

TOTAL Metals

Lot-Sample #...: A7D180106-028 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**51.2**	**20.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NV1AJ**
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**721 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1A1**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**5750**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1AW**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**7.7 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1AX**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**9480**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1AA**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**8.2 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4NV1A0**
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NV1AN
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4NV1AF
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NV1AP
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4NV1AK
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 002260	
		Instrument ID..: I7				

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GF

TOTAL Metals

Lot-Sample #...: A7D180106-028 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4NV1AC
		Dilution Factor: 1		Analysis Time..: 16:26	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**8.2 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4NV1AL**
		Dilution Factor: 1		Analysis Time..: 13:34	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4NV1AQ
		Dilution Factor: 1		Analysis Time..: 12:29	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

STL North Canton

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPMS **Units:** ug/L

Chart Number: 042507b.rep **Acceptable Range:** 50% - 150%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	QC Std 3 4/25/2007 11:06 AM Found	% Rec	QC Std 3 4/25/2007 7:34 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	27	50.0	53.52	**107.0**	48.00	**96.0**						
Antimony	121	2.0	1.74	**87.0**	1.35	**67.7**						
Beryllium	9	1.0	0.99	**98.9**	1.09	**109.3**						
Cadmium	111	0.5	0.52	**103.6**	0.48	**96.4**						
Iron	57	20.0	19.97	**99.8**	13.22	**66.1**						
Thallium	205	1.0	1.04	**104.1**	0.98	**97.8**						
Zinc	68	10.0	10.10	**101.0**	10.48	**104.8**						

STL North Canton

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB 4/23/2007 11:51 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	5	2.4	U								
Barium	493.409	10	0.9	U								
Calcium	317.933	1000	9.9	U								
Chromium	267.716	5	1.3	U								
Cobalt	228.616	5	1.4	U								
Copper	324.753	5	4.6	U								
Lead	220.353	3	1.9	U								
Magnesium	279.078	1000	20.3	U								
Manganese	257.61	10	0.4	U								
Nickel	231.604	10	1.7	U								
Potassium	766.491	1000	**148.0**	**B**								
Selenium	196.026	5	2.7	U								
Silver	328.068	5	1.1	U								
Sodium	330.232	1000	598.0	U								
Vanadium	292.402	10	2.3	U								

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/23/2007 12:49 PM Found	Q	CCB 4/23/2007 1:56 PM Found	Q	CCB 4/23/2007 3:05 PM Found	Q	CCB 4/23/2007 4:11 PM Found	Q	CCB 4/23/2007 5:19 PM Found	Q
Arsenic	189.042	5	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	10	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Calcium	317.933	1000	9.9	U	9.9	U	9.9	U	9.9	U	9.9	U
Chromium	267.716	5	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Cobalt	228.616	5	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Copper	324.753	5	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
Lead	220.353	3	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Magnesium	279.078	1000	20.3	U	20.3	U	20.3	U	20.3	U	20.3	U
Manganese	257.61	10	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Nickel	231.604	10	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
Potassium	766.491	1000	**149.0**	**B**	**154.0**	**B**	**151.0**	**B**	**149.0**	**B**	**150.0**	**B**
Selenium	196.026	5	2.7	U	**-3.7**	**B**	2.7	U	2.7	U	2.7	U
Silver	328.068	5	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Sodium	330.232	1000	598.0	U	598.0	U	598.0	U	**-650.0**	**B**	598.0	U
Vanadium	292.402	10	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 4/23/2007 6:26 PM Found	Q	CCB 4/23/2007 7:33 PM Found	Q	CCB 4/23/2007 8:41 PM Found	Q	CCB 4/23/2007 9:24 PM Found	Q	Found	Q
Arsenic	189.042	5	2.4	U	2.4	U	2.4	U	2.4	U		
Barium	493.409	10	0.9	U	0.9	U	0.9	U	0.9	U		
Calcium	317.933	1000	9.9	U	9.9	U	9.9	U	9.9	U		
Chromium	267.716	5	1.3	U	1.3	U	1.3	U	1.3	U		
Cobalt	228.616	5	1.4	U	1.4	U	**1.4**	**B**	1.4	U		
Copper	324.753	5	4.6	U	4.6	U	4.6	U	4.6	U		
Lead	220.353	3	1.9	U	1.9	U	1.9	U	1.9	U		
Magnesium	279.078	1000	20.3	U	20.3	U	20.3	U	20.3	U		
Manganese	257.61	10	0.4	U	0.4	U	0.4	U	0.4	U		
Nickel	231.604	10	1.7	U	1.7	U	**1.7**	**B**	1.7	U		
Potassium	766.491	1000	**149.0**	**B**	**151.0**	**B**	**165.0**	**B**	**149.0**	**B**		
Selenium	196.026	5	**-3.7**	**B**	2.7	U	2.7	U	2.7	U		
Silver	328.068	5	1.1	U	1.1	U	**1.2**	**B**	1.1	U		
Sodium	330.232	1000	598.0	U	598.0	U	598.0	U	598.0	U		
Vanadium	292.402	10	2.3	U	2.3	U	2.3	U	2.3	U		

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

Method Blank Outlier Report

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

Analysis Method : 6010B **Analysis Date :** 04/23/2007

Preparation Type : 3005A **Preparation Date :** 04/19/2007

Method Blank Lab Sample ID : A7D180000270B **Preparation Batch :** 7108270

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.69	10.0	ug/L	B	

Result less than ½MRL, acceptable per LCG No qual 6/24/07 HW

Manganese was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGDETmw-4bR-0445-GF	A7D180106012	1	1.6	B J	ug/L

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	144	1000	ug/L	B	

Result less than ½MRL, acceptable per LCG No qual HW 6/24/07

Potassium was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGEQUIPRinse1-0456-GW	A7D180106015	1	143	B J	ug/L
FWGEQUIPRinse2-0457-GW	A7D180106017	1	148	B J	ug/L
FWGLL2mw-263C-0424-GF	A7D180106004	1	602	B J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	4.5	10.0	ug/L	B	

Result less than ½MRL, acceptable per LCG No qual HW 6/24/07

Zinc was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGCBPmw-007C-0436-GF	A7D180106006	1	7.2	B J	ug/L
FWGDA2mw-DET1bR-0437-	A7D180106022	1	10.4	J	ug/L
FWGDETmw-3bR-0444-GF	A7D180106026	1	7.8	B J	ug/L
FWGDETmw-4bR-0445-GF	A7D180106012	1	12.1	J	ug/L
FWGEQUIPRinse1-0456-GW	A7D180106015	1	5.3	B J	ug/L
FWGEQUIPRinse2-0457-GW	A7D180106017	1	5.1	B J	ug/L
FWGLL11mw-002C-0429-GF	A7D180106020	1	19.5	J	ug/L
FWGLL11mw-007C-0430-GF	A7D180106010	1	6.7	B J	ug/L
FWGLL11mw-DUP5-0455-G	A7D180106014	1	19.6	J	ug/L
FWGLL2mw-262C-0423-GF	A7D180106024	1	6.6	B J	ug/L
FWGLL2mw-263C-0424-GF	A7D180106004	1	6.6	B J	ug/L
FWGLL3mw-240C-0426-GF	A7D180106028	1	8.2	B J	ug/L

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7D180000-270 **Prep Batch #...:** 7108270						
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT5M81AE
		Dilution Factor: 1				
		Analysis Time..: 12:19		Analyst ID.....: 002260	Instrument ID..: I7	
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT5M81AF
		Dilution Factor: 1				
		Analysis Time..: 12:19		Analyst ID.....: 002260	Instrument ID..: I7	
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AM
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Barium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AR
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT5M81AG
		Dilution Factor: 1				
		Analysis Time..: 12:19		Analyst ID.....: 002260	Instrument ID..: I7	
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT5M81AH
		Dilution Factor: 1				
		Analysis Time..: 12:19		Analyst ID.....: 002260	Instrument ID..: I7	
Calcium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AT
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AD
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AU
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AV
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Iron	ND	20.0	ug/L	SW846 6020	04/19-04/25/07	JT5M81AJ
		Dilution Factor: 1				
		Analysis Time..: 12:19		Analyst ID.....: 002260	Instrument ID..: I7	

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AN
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Magnesium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AW
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Manganese	**0.69 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT5M81AX**
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81A0
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Potassium	**144 B**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT5M81A1**
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AP
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81A2
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Sodium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AA
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT5M81AK
		Dilution Factor: 1				
		Analysis Time..: 12:19		Analyst ID.....: 002260	Instrument ID..: I7	
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT5M81AC
		Dilution Factor: 1				
		Analysis Time..: 14:23		Analyst ID.....: 001637	Instrument ID..: I5	
Zinc	**4.5 B**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT5M81AL**
		Dilution Factor: 1				
		Analysis Time..: 12:19		Analyst ID.....: 002260	Instrument ID..: I7	
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT5M81AQ
		Dilution Factor: 1				
		Analysis Time..: 12:03		Analyst ID.....: 001086	Instrument ID..: H1	

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QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D180106
Lab ID: STLCAN
Method/Preparation Batch : 7108270 / 7108270
Analysis Date : 04/23/2007
Client Sample ID : FWGEQUIPRinse1-0456-GW
Preparation Date : 04/19/2007
Lab Sample ID : A7D180106015
Preparation Type : 3005A

Analysis Method : 6010B

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	143	1000	ug/L	B J	

Potassium contamination found in the equipment blank did not qualify any samples.

Calcium	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	95.0	1000	ug/L	B	

Calcium contamination found in the equipment blank did not qualify any samples.

Copper	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	1.9	5.0	ug/L	B	

Result less than ½ MRL; acceptable per LCS no qual JPH 4/24/07

Copper was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGDETmw-3bR-0444-GF	A7D180106026	1	2.4	B	ug/L
FWGDETmw-4bR-0445-GF	A7D180106012	1	2.5	B	ug/L
FWGLL11mw-002C-0429-GF	A7D180106020	1	2.0	B	ug/L
FWGLL2mw-262C-0423-GF	A7D180106024	1	1.8	B	ug/L
FWGLL3mw-240C-0426-GF	A7D180106028	1	2.6	B	ug/L

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	148	1000	ug/L	B J	

Potassium was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGLL2mw-263C-0424-GF	A7D180106004	1	602	B J	ug/L
FWGLL3mw-240C-0426-GF	A7D180106028	1	721	B J	ug/L

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	5.3	10.0	ug/L	B J	

Zinc contamination found in the equipment blank did not qualify any samples.

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	5.1	10.0	ug/L	B J	

QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN
Method/Preparation Batch : 7108270 / 7108270 **Analysis Date :** 04/25/2007
Client Sample ID : FWGEQUIPRinse2-0457-GW **Preparation Date :** 04/19/2007
Lab Sample ID : A7D180106017 **Preparation Type :** 3005A

Analysis Method : 6020

Zinc was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGCBPmw-007C-0436-GF	A7D180106006	1	7.2	B J	ug/L
FWGDA2mw-DET1bR-0437-	A7D180106022	1	10.4	J	ug/L
FWGDETmw-3bR-0444-GF	A7D180106026	1	7.8	B J	ug/L
FWGDETmw-4bR-0445-GF	A7D180106012	1	12.1	J	ug/L
FWGLL11mw-002C-0429-GF	A7D180106020	1	19.5	J	ug/L
FWGLL11mw-007C-0430-GF	A7D180106010	1	6.7	B J	ug/L
FWGLL11mw-DUP5-0455-G	A7D180106014	1	19.6	J	ug/L
FWGLL2mw-262C-0423-GF	A7D180106024	1	6.6	B J	ug/L
FWGLL2mw-263C-0424-GF	A7D180106004	1	6.6	B J	ug/L
FWGLL3mw-240C-0426-GF	A7D180106028	1	8.2	B J	ug/L

beta-BHC	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.067	0.030	ug/L	PG	

beta-BHC was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGLL11mw-002C-0429-G	A7D180106019	1	0.21	PG	ug/L

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.21	2.0	ug/L	J B	Common Contaminant

Rinse1

Result less than 1/2 MRL; acceptable per CLG No qual DM 6/22/07

Methylene chloride was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGRinse TRIP BLANK	A7D180106032	1	0.34	J B	ug/L

Toluene	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.76	1.0	ug/L	J	Common Contaminant

Rinse1

Toluene contamination found in the equipment blank did not qualify any samples.

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.26	2.0	ug/L	J B	Common Contaminant

Rinse2

No results less than 1/2 MRL acceptable per CLG No qual

DM 6/22/07

QC Outlier Report: Equipment Blank

Lab Reporting Batch : A7D180106
Lab ID: STLCAN
Method/Preparation Batch : 7114116 / 7114116
Analysis Date : 04/24/2007
Client Sample ID : FWGEQUIPRinse2-0457-GW
Preparation Date : 04/24/2007
Lab Sample ID : A7D180106017
Preparation Type : 5030B

Analysis Method : 8260B

Methylene chloride was qualified due to equipment blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Unit
FWGTeam1 TRIP BLANK	A7D180106029	1	0.35	J B	ug/L
FWG-Team2-TRIP	A7D180106030	1	0.36	J B	ug/L
FWGTeam3 TRIP BLANK	A7D180106031	1	0.35	J B	ug/L

Toluene	Result	Reporting Limit	Units	Lab Qual	Comments
Equipment Blank Result:	0.64	1.0	ug/L	J	Common Contaminant

Toluene contamination found in the equipment blank did not qualify any samples.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7D180000-270 **Prep Batch #...:** 7108270					
Sodium	105	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81A3
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Vanadium	103	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81A4
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Chromium	106	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81A5
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Aluminum	105	(70 - 118)	SW846 6020	04/19-04/25/07	JT5M81A6
		Dilution Factor: 1	Analysis Time..: 12:22	Analyst ID.....: 002260	
		Instrument ID..: I7			
Antimony	95	(62 - 110)	SW846 6020	04/19-04/25/07	JT5M81A7
		Dilution Factor: 1	Analysis Time..: 12:22	Analyst ID.....: 002260	
		Instrument ID..: I7			
Beryllium	112	(86 - 113)	SW846 6020	04/19-04/25/07	JT5M81A8
		Dilution Factor: 1	Analysis Time..: 12:22	Analyst ID.....: 002260	
		Instrument ID..: I7			
Cadmium	106	(82 - 116)	SW846 6020	04/19-04/25/07	JT5M81A9
		Dilution Factor: 1	Analysis Time..: 12:22	Analyst ID.....: 002260	
		Instrument ID..: I7			
Iron	108	(72 - 115)	SW846 6020	04/19-04/25/07	JT5M81CA
		Dilution Factor: 1	Analysis Time..: 12:22	Analyst ID.....: 002260	
		Instrument ID..: I7			
Thallium	98	(69 - 114)	SW846 6020	04/19-04/25/07	JT5M81CC
		Dilution Factor: 1	Analysis Time..: 12:22	Analyst ID.....: 002260	
		Instrument ID..: I7			
Zinc	115	(90 - 127)	SW846 6020	04/19-04/25/07	JT5M81CD
		Dilution Factor: 1	Analysis Time..: 12:22	Analyst ID.....: 002260	
		Instrument ID..: I7			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	99	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CE
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Lead	99	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CF
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Selenium	107	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CG
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Barium	105	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CJ
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Calcium	102	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CK
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Cobalt	102	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CL
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Copper	104	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CM
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Magnesium	102	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CN
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Manganese	105	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CP
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Nickel	98	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CQ
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Potassium	102	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CR
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	115	(80 - 120)	SW846 6010B	04/19-04/23/07	JT5M81CT
		Dilution Factor: 1	Analysis Time..: 14:28	Analyst ID.....: 001637	
		Instrument ID..: I5			
Mercury	103	(82 - 131)	SW846 7470A	04/19-04/20/07	JT5M81CH
		Dilution Factor: 1	Analysis Time..: 12:04	Analyst ID.....: 001086	
		Instrument ID..: H1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7D180106-010 **Prep Batch #...:** 7108270					
Aluminum	100	(70 - 130)	SW846 6020	04/19-04/25/07	JT4M11AM
		Dilution Factor: 1	Analysis Time..: 12:38	Instrument ID..: I7	
		Analyst ID.....: 002260			
Antimony	103	(70 - 130)	SW846 6020	04/19-04/25/07	JT4M11AQ
		Dilution Factor: 1	Analysis Time..: 12:38	Instrument ID..: I7	
		Analyst ID.....: 002260			
Arsenic	99	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11CC
		Dilution Factor: 1	Analysis Time..: 15:09	Instrument ID..: I5	
		Analyst ID.....: 001637			
Barium	104	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11CQ
		Dilution Factor: 1	Analysis Time..: 15:09	Instrument ID..: I5	
		Analyst ID.....: 001637			
Beryllium	108	(70 - 130)	SW846 6020	04/19-04/25/07	JT4M11AU
		Dilution Factor: 1	Analysis Time..: 12:38	Instrument ID..: I7	
		Analyst ID.....: 002260			
Cadmium	115	(70 - 130)	SW846 6020	04/19-04/25/07	JT4M11AX
		Dilution Factor: 1	Analysis Time..: 12:38	Instrument ID..: I7	
		Analyst ID.....: 002260			
Calcium	95	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11CU
		Dilution Factor: 1	Analysis Time..: 15:09	Instrument ID..: I5	
		Analyst ID.....: 001637			
Chromium	104	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11AJ
		Dilution Factor: 1	Analysis Time..: 15:09	Instrument ID..: I5	
		Analyst ID.....: 001637			
Cobalt	100	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11CX
		Dilution Factor: 1	Analysis Time..: 15:09	Instrument ID..: I5	
		Analyst ID.....: 001637			
Copper	103	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11C2
		Dilution Factor: 1	Analysis Time..: 15:09	Instrument ID..: I5	
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	87	(70 - 130)	SW846 6020	04/19-04/25/07	JT4M11A2
		Dilution Factor: 1	Analysis Time..: 12:38		Instrument ID..: I7
		Analyst ID.....: 002260			
Lead	98	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11CF
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Magnesium	101	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11C5
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Manganese	103	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11C8
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Nickel	94	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11DC
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Potassium	104	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11DF
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Selenium	107	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11CJ
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Silver	115	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11DJ
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Sodium	104	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11AC
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			
Thallium	104	(70 - 130)	SW846 6020	04/19-04/25/07	JT4M11A5
		Dilution Factor: 1	Analysis Time..: 12:38		Instrument ID..: I7
		Analyst ID.....: 002260			
Vanadium	102	(75 - 125)	SW846 6010B	04/19-04/23/07	JT4M11AF
		Dilution Factor: 1	Analysis Time..: 15:09		Instrument ID..: I5
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D180106 **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	109	(70 - 130)	SW846 6020	04/19-04/25/07	JT4M11A8
		Dilution Factor: 1	Analysis Time..: 12:38		Instrument ID..: I7
		Analyst ID.....: 002260			
Mercury	105	(68 - 149)	SW846 7470A	04/19-04/20/07	JT4M11CM
		Dilution Factor: 1	Analysis Time..: 12:07		Instrument ID..: H1
		Analyst ID.....: 001086			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

Metals

Client Lot #...: A7D180106 **Work Order #...:** JT4M1-SMP JT4M1-DUP **Matrix.....:** WG

Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Silver						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Aluminum						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/19-04/25/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:38	Analyst ID.....: 002260	
			Instrument ID..: I7					
Arsenic						SD Lot-Sample #: A7D180106-010		
	18.2	18.7	ug/L	3.0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Barium						SD Lot-Sample #: A7D180106-010		
	88.1	86.6	ug/L	1.7	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Beryllium						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/19-04/25/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:38	Analyst ID.....: 002260	
			Instrument ID..: I7					
Calcium						SD Lot-Sample #: A7D180106-010		
	90500	89000	ug/L	1.7	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Cadmium						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/19-04/25/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:38	Analyst ID.....: 002260	
			Instrument ID..: I7					
Cobalt						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Chromium						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					

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SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D180106-000 **Work Order #...:** JT4M1-SMP JT4M1-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Copper						SD Lot-Sample #: A7D180106-010		
	ND	2.4 B	ug/L	200	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Iron						SD Lot-Sample #: A7D180106-010		
	1560	1500	ug/L	4.4	(0-20)	SW846 6020	04/19-04/25/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:38	Analyst ID.....: 002260	
			Instrument ID..: I7					
Potassium						SD Lot-Sample #: A7D180106-010		
	1310 J	1300	ug/L	1.2	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Magnesium						SD Lot-Sample #: A7D180106-010		
	32200	31700	ug/L	1.7	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Manganese						SD Lot-Sample #: A7D180106-010		
	214 J	211	ug/L	1.7	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Sodium						SD Lot-Sample #: A7D180106-010		
	13600	13500	ug/L	1.3	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Nickel						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Lead						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Antimony						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/19-04/25/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:38	Analyst ID.....: 002260	
			Instrument ID..: I7					

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SAMPLE DUPLICATE EVALUATION REPORT

Metals

Lot-Sample #...: A7D180106-000 **Work Order #...:** JT4M1-SMP JT4M1-DUP **Matrix.....:** WG

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Selenium						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Thallium						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6020	04/19-04/25/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:38	Analyst ID.....: 002260	
			Instrument ID..: I7					
Vanadium						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 6010B	04/19-04/23/07	7108270
			Dilution Factor: 1			Analysis Time..: 15:09	Analyst ID.....: 001637	
			Instrument ID..: I5					
Zinc						SD Lot-Sample #: A7D180106-010		
	6.7 B,J	6.7 B	ug/L	0.47	(0-20)	SW846 6020	04/19-04/25/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:38	Analyst ID.....: 002260	
			Instrument ID..: I7					
Mercury						SD Lot-Sample #: A7D180106-010		
	ND	ND	ug/L	0	(0-20)	SW846 7470A	04/19-04/20/07	7108270
			Dilution Factor: 1			Analysis Time..: 12:07	Analyst ID.....: 001086	
			Instrument ID..: H1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

GENERAL CHEMISTRY DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

General Chemistry

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

General Chemistry

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ **Matrix.....:** WG
Date Sampled...: 04/17/07 15:40 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

General Chemistry

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT **Matrix.....:** WG
Date Sampled...: 04/17/07 13:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

General Chemistry

Lot-Sample #...: A7D180106-007 **Work Order #...:** JT4MW **Matrix.....:** WG
Date Sampled...: 04/16/07 18:05 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

General Chemistry

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M0 **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

General Chemistry

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M2 **Matrix.....:** WG
Date Sampled...: 04/17/07 09:20 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

General Chemistry

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M4 **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

General Chemistry

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M6 **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

General Chemistry

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M8 **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

General Chemistry

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

General Chemistry

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE **Matrix.....:** WG
Date Sampled...: 04/17/07 11:45 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

General Chemistry

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

General Chemistry

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ **Matrix.....:** WG
Date Sampled...: 04/17/07 10:10 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	**0.0090 B,J**	**0.010**	**mg/L**	**SW846 9012A**	**04/20/07**	**7110422**
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

General Chemistry

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT **Matrix.....:** WG
Date Sampled...: 04/17/07 10:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

Method Blank Outlier Report

Lab Reporting Batch : A7D180106
Lab ID: STLCAN
Analysis Method : 9012A
Analysis Date : 04/20/2007
Preparation Type : Gen Prep
Preparation Date : 04/20/2007
Method Blank Lab Sample ID : A7D200000422B
Preparation Batch : 7110422

Cyanide	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.0069	0.010	mg/L	B	

Cyanide was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGDETmw-3bR-0444-GW	A7D180106025	1	0.0090	B J	mg/L

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7D180106 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JVDT81AA		MB Lot-Sample #:	A7D200000-422	
	0.0069 B	**0.010**	**mg/L**	**SW846 9012A**	**04/20/07**	**7110422**
		Dilution Factor: 1				
Nitrocellulose		Work Order #: JVX951AA		MB Lot-Sample #:	G7D300000-390	
	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7120390 **Analysis Method :** 353.2 Modified **Analysis Date :** 05/02/2007

Preparation Batch : 7120390 **Preparation Type :** 3535 **Preparation Date :** 04/30/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
G7D300000390C	AQ	Nitrocellulose	112		50.00	56.00	110.00	15.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGCBPmw-007C-0436-GW	A7D180106005
FWGDA2mw-DET1bR-0437-GW	A7D180106021
FWGDETmw-3bR-0444-GW	A7D180106025
FWGDETmw-4bR-0445-GW	A7D180106011
FWGEQUIPRinse1-0456-GW	A7D180106015
FWGEQUIPRinse2-0457-GW	A7D180106017
FWGLL11mw-002C-0429-GW	A7D180106019
FWGLL11mw-007C-0430-GW	A7D180106009
FWGLL11mw-DUP5-0455-GW	A7D180106013
FWGLL1mw-083C-0421-GW	A7D180106007
FWGLL2mw-262C-0423-GW	A7D180106023
FWGLL2mw-263C-0424-GW	A7D180106003
FWGLL3mw-240C-0426-GW	A7D180106027
FWGLL4mw-198C-0427-GW	A7D180106001

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D180106 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JVDT81AC	LCS Lot-Sample#: A7D200000-422		
	100	(69 - 118)	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1			
Nitrocellulose		Work Order #: JVX951AC	LCS Lot-Sample#: G7D300000-390		
	112	(37 - 155)	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7120390 **Analysis Method :** 353.2 Modified **Analysis Date :** 05/02/2007

Preparation Batch : 7120390 **Preparation Type :** 3535 **Preparation Date :** 04/30/2007

Lab Reporting Batch : A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGLL11mw-007C-0430	A7D180106009D	AQ	Nitrocellulose		25	30.00	56.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWGCBPmw-007C-0436-GW	A7D180106005
FWGDA2mw-DET1bR-0437-GW	A7D180106021
FWGDETmw-3bR-0444-GW	A7D180106025
FWGDETmw-4bR-0445-GW	A7D180106011
FWGEQUIPRinse1-0456-GW	A7D180106015
FWGEQUIPRinse2-0457-GW	A7D180106017
FWGLL11mw-002C-0429-GW	A7D180106019
FWGLL11mw-007C-0430-GW	A7D180106009
FWGLL11mw-DUP5-0455-GW	A7D180106013
FWGLL1mw-083C-0421-GW	A7D180106007
FWGLL2mw-262C-0423-GW	A7D180106023
FWGLL2mw-263C-0424-GW	A7D180106003
FWGLL3mw-240C-0426-GW	A7D180106027
FWGLL4mw-198C-0427-GW	A7D180106001

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D180106 **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: JT4M01AM-MS/JT4M01AN-MSD				MS Lot-Sample #: A7D180106-009	
	81	(42 - 140)			SW846 9012A	04/20/07	7110422
	83	(42 - 140)	1.7	(0-20)	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1					
Nitrocellulose		WO#: JT4M01AX-MS/JT4M01A0-MSD				MS Lot-Sample #: A7D180106-009	
	97	(37 - 155)			MCAWW 353.2	04/30-05/02/07	7120390
	76 *	(37 - 155)	25	(0-15)	MCAWW 353.2	04/30-05/02/07	7120390
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

STL North Canton

Severn Trent
Sacramento Laboratory

NITROCELLULOSE

(SOP # SAC-WC-0050, Rev.0)

ANALYST HERNANDEZ DATE 05/02/07 12:30 METHOD NO. 353.2 FILE 050207A

CHECKED BY JOE DATE 5.4.07 PROJECT NO. A7D180106

BATCH NO. 7120390 MS run # 7120198

	Lab ID	Time	Standard Conc. mg/L	Cup #	Sample Aliquot gram	Sample Aliquot mL	Extract Volume mL	Dilution	Height	$NO_3 + NO_2$ Raw Result	Nitrocellulose mg/L	Nitrocellulose ug/g	Recovery	Check
1	Cal 0	10:25	0	0					74.52213	-0.004110	Slope = 1.6069E+05			
2	Cal 1	10:27	0.05	102					8770.091	0.050004	Intercept = 7.3501E+02			
3	Cal 2	10:29	0.2	103					32543.59	0.197953	Correlation = 0.999984			
4	Cal 3	10:31	0.4	104					65490.7	0.402991				
5	Cal 4	10:33	1	105					162565.4	1.007112	%Nitrocellulose Assay = 0.111			
6	Cal 5	10:35	2	106					321475.8	1.996051				
7	Blank	10:37		0				1	1074.292	0.002111				
8	N02/N03 ICV 1	10:39	1	107				1	161435.4	1.000079			100.0%	
9	MRL 0.05PPM	10:41	0.05	102				1	9578.665	0.055036			110.1%	
10	NO2 1PPM	10:43	1	108				1	162123.6	1.004362			100.4%	
11	NO3 1PPM	10:45	1	109				1	157527.2	0.975757			97.6%	
12	blank	10:47		0				1	-4.826815	-0.004604				
13	Baseline	10:49		0				1	0	-0.004574				
14	MB-A 7120390	10:51		113		100	40	1	3546.097	0.017494	0.063	Np		< RL
15	LCS-A 712039	10:53	2.012	114		100	40	1	101633.6	0.627917	2.26		112.3%	
16	A7D180106-1	10:55		115		100	40	1	4169.83	0.021376	0.077	NP		< RL
17	A7D180106-3	10:57		116		100	40	1	3693.462	0.018411	0.066			< RL
18	A7D180106-5	10:59		117		100	40	1	4252.359	0.021889	0.079			< RL
19	A7D180106-7	11:01		118		100	40	1	4168.526	0.021368	0.077			< RL
20	A7D180106-9	11:03		119		100	40	1	3376.494	0.016439	0.059			< RL
21	A7D180106-9S	11:05	2.012	120		100	40	1	88285.48	0.544849	1.96		97.4%	
22	A7D180106-9D	11:07	2.012	121		100	40	1	68319.15	0.420593	1.52		75.5%	
23	MRL 0.05PPM	11:09	0.05	102				1	8329.144	0.047260			94.5%	
24	CCV Cal 4	11:11	1	105				1	161786.3	1.002263			100.2%	
25	Blank	11:13		0				1	55.47742	-0.004229				
26	Baseline	11:15		0				1	0	-0.004574				
27	A7D180106-11	11:17		122		100	40	1	2685.893	0.012141	0.044	ND		< RL
28	A7D180106-13	11:19		123		100	40	1	1921.45	0.007384	0.027			< RL
29	A7D180106-15	11:21		124		100	40	1	4039.585	0.020565	0.074			< RL
30	A7D180106-17	11:23		125		100	40	1	2673.126	0.012061	0.043			< RL
31	A7D180106-19	11:25		126		100	40	1	1988.221	0.007799	0.028			< RL
32	A7D180106-21	11:27		127		100	40	1	2235.965	0.009341	0.034			< RL
33	A7D180106-23	11:29		128		100	40	1	2421.477	0.010495	0.038			< RL
34	A7D180106-25	11:31		129		100	40	1	2142.917	0.008762	0.032		#VALUE!	< RL

JTH MN JTH MQ JTH MT JTH MW JTH M0 JTH M0-S ↓ -D

JTH M2 JTH M4 JTH M6 JTH M8 JTH NC JTH NE JTH NG JTH NJ

Nitrocellulose = (NO3 + NO2) * Prep Factor / 0.111

3133

STL North Canton

Severn Trent
Sacramento Laboratory

NITROCELLULOSE

(SOP # SAC-WC-0050, Rev.0)

ANALYST HERNANDEZ
CHECKED BY JOR
BATCH NO. 7120390

DATE 05/02/07 12:30
DATE 5.4.07

METHOD NO. 353.2
PROJECT NO. A7D180106

FILE 050207A

	Lab ID	Time	Standard Conc. mg/L	Cup #	Sample Aliquot gram	Sample Aliquot mL	Extract Volume mL	Dilution	Height	$NO_3 + NO_2$ Raw Result	Nitrocellulose			
35	A7D180106-27	11:33		130		100	40	1	2398.629	0.010353	0.037	MD	#VALUE!	< RL
36	MRL 0.05PPM	11:35	0.05	102				1	8243.673	0.046728			93.5%	
37	CCV Cal 4	11:37	1	105				1	160489.7	0.994194			99.4%	
38	Blank	11:39		0				1	61.20083	-0.004193				
39	Baseline	11:41		0				1	0	-0.004574				

Nitrocellulose = (NO3 + NO2) * Prep Factor / 0.111

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STL-Canton
Konelab 250

Date : 2007-04-20
Time : 17.20

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
CCV-CN	0.0966	0.092			2007-04-20 08.08
CCB-CN	-0.0016	0.005			2007-04-20 08.08
ICV .1	0.1061	0.101	106%		2007-04-20 08.08
MRL .005	0.0037	0.010	74%		2007-04-20 08.08
CCV-CN	0.1036	0.099			2007-04-20 08.10
CCB-CN	-0.0009	0.006			2007-04-20 08.10
CCV-CN	0.0956	0.092			2007-04-20 10.31
CCB-CN	-0.0000	0.006			2007-04-20 10.31
BLANK W	-0.0013	0.005			2007-04-20 10.32
LCS W	0.0333	0.036			2007-04-20 10.32
.025	0.0244	0.028	98%		2007-04-20 10.32
.1	0.0966	0.093	97%		2007-04-20 10.32
JT2AV	-0.0003	0.006			2007-04-20 10.32
JT2AV MS	0.0360	0.038			2007-04-20 10.32
JT2AV MSD	0.0361	0.039			2007-04-20 10.32
BLANK S	-0.0328	0.006		1+49.0	2007-04-20 10.32
LCS S	1.8088	0.039		1+49.0	2007-04-20 10.32
JTVTN	-0.0487	0.005		1+49.0	2007-04-20 10.32
CCV-CN	0.1010	0.096			2007-04-20 10.35
CCB-CN	0.0000	0.006			2007-04-20 10.35
JTVTN MS	1.9370	0.041		1+49.0	2007-04-20 10.35
JTVTN MSD	1.8413	0.039		1+49.0	2007-04-20 10.35
CCV-CN	0.1036	0.099			2007-04-20 10.36
CCB-CN	-0.0001	0.006			2007-04-20 10.36
CCV-CN	0.0978	0.094			2007-04-20 16.00
CCB-CN	0.0013	0.007			2007-04-20 16.01
JTN1Q	-0.0013	0.005			2007-04-20 16.01
JT30M	0.0020	0.008			2007-04-20 16.01
JR30Q	0.0050	0.011			2007-04-20 16.01
JT6GK	0.0064	0.012			2007-04-20 16.01
JT6HF	0.0006	0.007			2007-04-20 16.01
JTVRW	-0.0349	0.006		1+49.0	2007-04-20 16.01
JTVRX	0.0496	0.007		1+49.0	2007-04-20 16.01
JTVR0	-0.0645	0.005		1+49.0	2007-04-20 16.01
JTVTC	-0.0441	0.006		1+49.0	2007-04-20 16.01
CCV-CN	0.1032	0.098			2007-04-20 16.05
CCB-CN	0.0011	0.007			2007-04-20 16.05
JTVTE	-0.0477	0.005		1+49.0	2007-04-20 16.05
JTVTF	-0.0446	0.006		1+49.0	2007-04-20 16.05
JTVTG	-0.0618	0.005		1+49.0	2007-04-20 16.05
JTVTH	-0.0518	0.005		1+49.0	2007-04-20 16.05
JTVTJ	-0.0029	0.006		1+49.0	2007-04-20 16.05
BLANK SOLID TOTA	-0.0305	0.006		1+49.0	2007-04-20 16.09
CCV-CN	0.1060	0.101			2007-04-20 16.09
CCB-CN	0.0017	0.008			2007-04-20 16.09
CCV-CN	0.1040	0.099			2007-04-20 16.11
CCB-CN	0.0028	0.009			2007-04-20 16.12
JT12K	0.0009	0.007			2007-04-20 16.14
JT12M	0.0002	0.007			2007-04-20 16.14
JT4M6	0.0003	0.007			2007-04-20 16.14
CCV-CN	0.1048	0.100			2007-04-20 16.14
CCB-CN	0.0017	0.008			2007-04-20 16.14
JT4MN	-0.0003	0.006			2007-04-20 16.17

STL-Canton
Konelab 250

Date : 2007-04-20
Time : 17.20

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
JT4MQ	0.0004	0.007			2007-04-20 16.17
CCV-CN	0.1055	0.100			2007-04-20 16.17
CCB-CN	0.0021	0.008			2007-04-20 16.17
JT4MT	-0.0007	0.006			2007-04-20 16.23
JT4MW	-0.0004	0.006			2007-04-20 16.23
JT4M0	0.0027	0.009			2007-04-20 16.23
JT4M0 MS	0.0352	0.038			2007-04-20 16.23
JT4M0 MSD	0.0358	0.038			2007-04-20 16.23
JT4M2	-0.0004	0.006			2007-04-20 16.23
CCV-CN	0.1016	0.097			2007-04-20 16.23
CCB-CN	0.0013	0.007			2007-04-20 16.23
JT4M4	-0.0003	0.006			2007-04-20 16.23
JT4M8	-0.0007	0.006			2007-04-20 16.23
JT4NC	0.0023	0.008			2007-04-20 16.23
JT4NE	0.0000	0.006			2007-04-20 16.23
JT4NG	0.0002	0.007			2007-04-20 16.26
JTN4J	0.0009	0.007			2007-04-20 16.26
CCV-CN	0.1084	0.103			2007-04-20 16.26
CCB-CN	0.0017	0.008			2007-04-20 16.26
JT4NT	0.0009	0.007			2007-04-20 16.26
LCS TV=29.75 MG/	28.0207	0.056	1+9.0	1+49.0	2007-04-20 16.28
CCV-CN	0.1096	0.104			2007-04-20 16.29
CCB-CN	0.0013	0.008			2007-04-20 16.29
JT9HM	0.0294	0.007		1+49.0	2007-04-20 16.31
JT9H MS	1.9331	0.041		1+49.0	2007-04-20 16.31
JT9HM MSD	2.9956	0.060		1+49.0	2007-04-20 16.32
LCS TV=.681 MG/L	0.6809	0.067	1+9.0		2007-04-20 16.34
BLANK WATER TOT	0.0069	0.012			2007-04-20 16.39
CCV-CN	0.1071	0.102			2007-04-20 16.41
CCB-CN	0.0014	0.008			2007-04-20 16.41
CCV-CN	0.1076	0.102			2007-04-20 16.52
CCB-CN	0.0014	0.008			2007-04-20 16.52
CCV-CN	0.1082	0.103			2007-04-20 17.09
CCB-CN	0.0018	0.008			2007-04-20 17.09
JT5CV	137.4151	0.129	1+19.0	1+49.0	2007-04-20 17.09
CCV-CN	0.1082	0.103			2007-04-20 17.10
CCB-CN	0.0016	0.008			2007-04-20 17.10

8330 EXPLOSIVES DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

HPLC

Lot-Sample #...: A7D180106-001 **Work Order #...:** JT4MN1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 09:05 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113470
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	**0.57 J**	**0.65**	**ug/L**
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

HPLC

Lot-Sample #...: A7D180106-003 **Work Order #...:** JT4MQ1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 15:40 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113470
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	**0.48 J**	**0.65**	**ug/L**
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.51	ug/L
3-Nitrotoluene	ND	0.51	ug/L
4-Nitrotoluene	ND	0.51	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	101	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

HPLC

Lot-Sample #...: A7D180106-005 **Work Order #...:** JT4MT1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 13:50 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113470
Dilution Factor: 0.97 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.097	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.097	ug/L
1,3-Dinitrobenzene	ND	0.097	ug/L
2,4-Dinitrotoluene	ND	0.097	ug/L
2,6-Dinitrotoluene	ND	0.097	ug/L
HMX	ND	0.097	ug/L
Nitrobenzene	ND	0.097	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.097	ug/L
Tetryl	ND	0.097	ug/L
1,3,5-Trinitrobenzene	ND	0.097	ug/L
2,4,6-Trinitrotoluene	ND	0.097	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

HPLC

Lot-Sample #...: A7D180106-007	**Work Order #...:** JT4MW1AF	**Matrix.....:** WG	
Date Sampled...: 04/16/07 18:05	**Date Received..:** 04/18/07		
Prep Date.....: 04/23/07	**Analysis Date..:** 05/01/07		
Prep Batch #...: 7113470			
Dilution Factor: 4.82	**Method.....:** SW846 8330		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	3.1	ug/L
Nitroglycerin	ND	3.1	ug/L
2-Amino-4,6-dinitrotoluene	**16**	**0.48**	**ug/L**
4-Amino-2,6-dinitrotoluene	**24**	**0.48**	**ug/L**
1,3-Dinitrobenzene	ND	0.48	ug/L
2,4-Dinitrotoluene	**2.6**	**0.48**	**ug/L**
2,6-Dinitrotoluene	**1.0**	**0.48**	**ug/L**
HMX	**0.18 J**	**0.48**	**ug/L**
Nitrobenzene	ND	0.48	ug/L
2-Nitrotoluene	ND	2.4	ug/L
3-Nitrotoluene	ND	2.4	ug/L
4-Nitrotoluene	ND	2.4	ug/L
RDX	ND	0.48	ug/L
Tetryl	ND	0.48	ug/L
1,3,5-Trinitrobenzene	**6.5**	**0.48**	**ug/L**
2,4,6-Trinitrotoluene	**5.3**	**0.48**	**ug/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	0.0 *	(79 - 116)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

HPLC

Lot-Sample #...: A7D180106-009 **Work Order #...:** JT4M01AP **Matrix.....:** WG
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/27/07
Prep Batch #...: 7113470
Dilution Factor: 0.97 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroglycerin	ND	0.63	ug/L
PETN	ND	0.63	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.097	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.097	ug/L
1,3-Dinitrobenzene	ND	0.097	ug/L
2,4-Dinitrotoluene	ND	0.097	ug/L
2,6-Dinitrotoluene	ND	0.097	ug/L
HMX	ND	0.097	ug/L
Nitrobenzene	ND	0.097	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.097	ug/L
Tetryl	ND	0.097	ug/L
1,3,5-Trinitrobenzene	ND	0.097	ug/L
2,4,6-Trinitrotoluene	ND	0.097	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

HPLC

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AF **Matrix.....:** WG
Date Sampled...: 04/17/07 09:20 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.13	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.13	ug/L
1,3-Dinitrobenzene	ND	0.13	ug/L
2,4-Dinitrotoluene	ND	0.13	ug/L
2,6-Dinitrotoluene	ND	0.13	ug/L
HMX	**1.0**	**0.13**	**ug/L**
Nitrobenzene	ND	0.13	ug/L
2-Nitrotoluene	**0.11 J**	**0.63**	**ug/L**
3-Nitrotoluene	ND	0.63	ug/L
4-Nitrotoluene	ND	0.63	ug/L
RDX	**0.50**	**0.13**	**ug/L**
Tetryl	ND	0.13	ug/L
1,3,5-Trinitrobenzene	ND	0.13	ug/L
2,4,6-Trinitrotoluene	ND	0.13	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

HPLC

Lot-Sample #...: A7D180106-013 **Work Order #...:** JT4M41AF **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	ND	0.099	ug/L
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	97	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

HPLC

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AF **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.97 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.097	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.097	ug/L
1,3-Dinitrobenzene	ND	0.097	ug/L
2,4-Dinitrotoluene	ND	0.097	ug/L
2,6-Dinitrotoluene	ND	0.097	ug/L
HMX	ND	0.097	ug/L
Nitrobenzene	ND	0.097	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.097	ug/L
Tetryl	ND	0.097	ug/L
1,3,5-Trinitrobenzene	ND	0.097	ug/L
2,4,6-Trinitrotoluene	ND	0.097	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

HPLC

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AF **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.098	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.098	ug/L
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	ND	0.098	ug/L
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	ND	0.098	ug/L
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	ND	0.49	ug/L
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	ND	0.098	ug/L
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	ND	0.098	ug/L
2,4,6-Trinitrotoluene	ND	0.098	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	95	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

HPLC

Lot-Sample #...: A7D180106-019 **Work Order #...:** JT4NC1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 14:25 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	ND	0.099	ug/L
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	97	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

HPLC

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 11:45 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.96 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.096	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.096	ug/L
1,3-Dinitrobenzene	ND	0.096	ug/L
2,4-Dinitrotoluene	ND	0.096	ug/L
2,6-Dinitrotoluene	ND	0.096	ug/L
HMX	ND	0.096	ug/L
Nitrobenzene	ND	0.096	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.096	ug/L
Tetryl	ND	0.096	ug/L
1,3,5-Trinitrobenzene	ND	0.096	ug/L
2,4,6-Trinitrotoluene	ND	0.096	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	98	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

HPLC

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.52	ug/L
3-Nitrotoluene	ND	0.52	ug/L
4-Nitrotoluene	ND	0.52	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	97	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

HPLC

Lot-Sample #...: A7D180106-025 **Work Order #...:** JT4NJ1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 10:10 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	ND	0.099	ug/L
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

HPLC

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AF **Matrix.....:** WG
Date Sampled...: 04/17/07 10:50 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	ND	0.099	ug/L
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	97	(79 - 116)

STL Sacramento
GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Curve; 0 324 2007.B

Inst ID : LC10.I
Batch ID : 04272007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
27-APR-2007	11:10	KenneyF	CCV_5 PRIMER	A-000001.	0 g	0 mL	1	
27-APR-2007	12:04	KenneyF	CCV_5 PRIMER	A-000002.	0 g	0 mL	1	
27-APR-2007	12:56	KenneyF	Blank	A-000003.	1000 mL	20 mL	1	
27-APR-2007	13:49	KenneyF	CCV_5 E070314F 100/200/100/100	A-000004.	0 g	0 mL	1	
27-APR-2007	14:43	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000005.	0 g	0 mL	1	
27-APR-2007	15:36	KenneyF	JVG421AAB 7113470 G7D230000-MB	A-000006.	1000 mL	20 mL	1	
27-APR-2007	16:29	KenneyF	JVG421ACC 7113470 G7D230000-LC	A-000007.	1000 mL	20 mL	1	
27-APR-2007	17:22	KenneyF	JT4MN1AF 7113470 A7D180106-1	A-000008.	985 mL	20 mL	1	
27-APR-2007	18:15	KenneyF	JT4MQ1AF 7113470 A7D180106-3	A-000009.	973 mL	20 mL	1	
27-APR-2007	19:08	KenneyF	JT4MT1AF 7113470 A7D180106-5	A-000010.	1021 mL	20 mL	1	
27-APR-2007	20:01	KenneyF	JT4MW1AF 7113470 A7D180106-7	A-000011.	1037 mL	20 mL	1	
27-APR-2007	20:54	KenneyF	JT4M01AP 7113470 A7D180106-9	A-000012.	1022 mL	20 mL	1	
27-APR-2007	21:47	KenneyF	JT4M01AQS 7113470 A7D180106-9M	A-000013.	1003 mL	20 mL	1	
27-APR-2007	22:40	KenneyF	JT4M01ARD 7113470 A7D180106-9M	A-000014.	999 mL	20 mL	1	
27-APR-2007	23:33	KenneyF	CCV_6 E070314I200/500/200/200n	A-000015.	0 g	0 mL	1	
28-APR-2007	00:26	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000016.	0 g	0 mL	1	
28-APR-2007	01:19	KenneyF	JT4M21AF 7113470 A7D180106-11	A-000017.	788 mL	20 mL	1	
28-APR-2007	02:12	KenneyF	JT4M41AF 7113470 A7D180106-13	A-000018.	1009 mL	20 mL	1	
28-APR-2007	03:05	KenneyF	JT4M61AF 7113470 A7D180106-15	A-000019.	1024 mL	20 mL	1	
28-APR-2007	03:58	KenneyF	JT4M81AF 7113470 A7D180106-17	A-000020.	1014 mL	20 mL	1	
28-APR-2007	04:51	KenneyF	JT4NC1AF 7113470 A7D180106-19	A-000021.	1008 mL	20 mL	1	
28-APR-2007	05:44	KenneyF	JT4NE1AF 7113470 A7D180106-21	A-000022.	1033 mL	20 mL	1	
28-APR-2007	06:36	KenneyF	JT4NG1AF 7113470 A7D180106-23	A-000023.	959 mL	20 mL	1	
28-APR-2007	07:29	KenneyF	JT4NJ1AF 7113470 A7D180106-25	A-000024.	1002 mL	20 mL	1	
28-APR-2007	08:22	KenneyF	JT4NT1AF 7113470 A7D180106-27	A-000025.	1004 mL	20 mL	1	
28-APR-2007	09:15	KenneyF	CCV_5 E070314F 100/200/100/100	A-000026.	0 g	0 mL	1	
28-APR-2007	10:08	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000027.	0 g	0 mL	1	

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GC/LC SEMI-VOLATILES

Standard ID's

Cerve 03242007.B

Inst ID : LC10.I
Batch ID : 05012007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
01-MAY-2007	13:38	KenneyF	CCV_5 PRIMER	A-000001.	0 g	0 mL	1	
01-MAY-2007	14:31	KenneyF	CCV_5 PRIMER	A-000002.	0 g	0 mL	1	
01-MAY-2007	16:36	KenneyF	Blank	A-000003.	1000 mL	20 mL	1	
01-MAY-2007	17:30	KenneyF	CCV_5 E070314F 100/200/100/100	A-000004.	0 g	0 mL	1	
01-MAY-2007	18:23	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000005.	0 g	0 mL	1	
01-MAY-2007	19:15	KenneyF	JT4MW1AF 7113470 A7D180106-7 5	A-000006.	1037 mL	20 mL	5	
01-MAY-2007	20:08	KenneyF	JVG7J1AAB 7113533 G7D230000-MB	A-000007.	2 g	40 mL	1	
01-MAY-2007	21:01	KenneyF	JVG7J1ACC 7113533 G7D230000-LC	A-000008.	2 g	40 mL	1	
01-MAY-2007	21:55	KenneyF	JT6MX1AD 7113533 G7D180325-1	A-000009.	1.99 g	40 mL	1	
01-MAY-2007	22:48	KenneyF	JT6MX1A1S 7113533 G7D180325-1M	A-000010.	2.01 g	40 mL	1	
01-MAY-2007	23:41	KenneyF	JT6MX1A2D 7113533 G7D180325-1M	A-000011.	1.99 g	40 mL	1	
02-MAY-2007	00:34	KenneyF	JT6M41AD 7113533 G7D180325-2	A-000012.	2.02 g	40 mL	1	
02-MAY-2007	01:27	KenneyF	JT6M81AD 7113533 G7D180325-3	A-000013.	1.99 g	40 mL	1	
02-MAY-2007	02:20	KenneyF	CCV_6 E070314I200/500/200/200n	A-000014.	0 g	0 mL	1	
02-MAY-2007	03:13	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000015.	0 g	0 mL	1	
02-MAY-2007	04:06	KenneyF	JT6NA1AD 7113533 G7D180325-4	A-000016.	2.03 g	40 mL	1	
02-MAY-2007	04:59	KenneyF	JT6NC1AD 7113533 G7D180325-5	A-000017.	2.04 g	40 mL	1	
02-MAY-2007	05:52	KenneyF	JT6NH1AD 7113533 G7D180325-6	A-000018.	2.02 g	40 mL	1	
02-MAY-2007	06:45	KenneyF	JT6NJ1AD 7113533 G7D180325-7	A-000019.	1.98 g	40 mL	1	
02-MAY-2007	07:38	KenneyF	JT6NK1AD 7113533 G7D180325-8	A-000020.	2 g	40 mL	1	
02-MAY-2007	08:31	KenneyF	JT6NL1AD 7113533 G7D180325-9	A-000021.	2.03 g	40 mL	1	
02-MAY-2007	09:24	KenneyF	JT6NR1AD 7113533 G7D180325-11	A-000022.	2 g	40 mL	1	
02-MAY-2007	10:17	KenneyF	JT6NW1AD 7113533 G7D180325-12	A-000023.	2.01 g	40 mL	1	
02-MAY-2007	11:10	KenneyF	CCV_5 E070314F 100/200/100/100	A-000024.	0 g	0 mL	1	
02-MAY-2007	12:03	KenneyF	JVG841AAB 7113541 G7D230000-MB	A-000025.	2 g	40 mL	1	
02-MAY-2007	12:56	KenneyF	JVG841ACC 7113541 G7D230000-LC	A-000026.	2 g	40 mL	1	
02-MAY-2007	13:49	KenneyF	JT6N01AD 7113541 G7D180325-13	A-000027.	1.98 g	40 mL	1	

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GC/LC SEMI-VOLATILES

Standard ID's

Curve: 0423007.B

Inst ID : LC9.I
Batch ID : 05012007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
01-MAY-2007	12:14	KenneyF	CCV_5 Primer	C-000001.	0 g	0 mL	1	
01-MAY-2007	13:17	KenneyF	CCV_5 Primer	C-000002.	0 g	0 mL	1	
01-MAY-2007	14:20	KenneyF	Blank	C-000003.	1000 mL	20 mL	1	
01-MAY-2007	15:23	KenneyF	STD_5 E070314F 100/200/100/100	C-000004.	0 g	0 mL	1	
01-MAY-2007	16:26	KenneyF	STD_1 E070314F 5/0/0/0	C-000005.	0 g	0 mL	1	
01-MAY-2007	17:30	KenneyF	JT4MW1AF 7113470 A7D180106-7 5	C-000006.	1037 mL	20 mL	5	
01-MAY-2007	18:33	KenneyF	JT4M61AF 7113470 A7D180106-15	C-000007.	1024 mL	20 mL	1	
01-MAY-2007	19:36	KenneyF	JT4M81AF 7113470 A7D180106-17	C-000008.	1014 mL	20 mL	1	
01-MAY-2007	20:39	KenneyF	JT4NC1AF 7113470 A7D180106-19	C-000009.	1008 mL	20 mL	1	
01-MAY-2007	21:42	KenneyF	JT4NE1AF 7113470 A7D180106-21	C-000010.	1033 mL	20 mL	1	
01-MAY-2007	22:45	KenneyF	JT4NG1AF 7113470 A7D180106-23	C-000011.	959 mL	20 mL	1	
01-MAY-2007	23:48	KenneyF	JT4NJ1AF 7113470 A7D180106-25	C-000012.	1002 mL	20 mL	1	
02-MAY-2007	00:52	KenneyF	JT4NT1AF 7113470 A7D180106-27	C-000013.	1004 mL	20 mL	1	
02-MAY-2007	01:55	KenneyF	STD_6 E070314I 200/500/200/200	C-000014.	0 g	0 mL	1	
02-MAY-2007	02:58	KenneyF	STD_1 E070314F 5/0/0/0	C-000015.	0 g	0 mL	1	
02-MAY-2007	04:01	KenneyF	JVG7J1AAB 7113533 G7D230000-MB	C-000016.	2 g	40 mL	1	
02-MAY-2007	05:04	KenneyF	JT6MX1AD 7113533 G7D180325-1	C-000017.	1.99 g	40 mL	1	
02-MAY-2007	06:07	KenneyF	JT6M41AD 7113533 G7D180325-2	C-000018.	2.02 g	40 mL	1	
02-MAY-2007	07:11	KenneyF	JT6M81AD 7113533 G7D180325-3	C-000019.	1.99 g	40 mL	1	
02-MAY-2007	08:14	KenneyF	JT6NA1AD 7113533 G7D180325-4	C-000020.	2.03 g	40 mL	1	
02-MAY-2007	09:17	KenneyF	JT6NC1AD 7113533 G7D180325-5	C-000021.	2.04 g	40 mL	1	
02-MAY-2007	10:20	KenneyF	JT6NH1AD 7113533 G7D180325-6	C-000022.	2.02 g	40 mL	1	
02-MAY-2007	11:23	KenneyF	JT6NJ1AD 7113533 G7D180325-7	C-000023.	1.98 g	40 mL	1	
02-MAY-2007	12:27	KenneyF	JT6NK1AD 7113533 G7D180325-8	C-000024.	2 g	40 mL	1	
02-MAY-2007	13:30	KenneyF	JT6NL1AD 7113533 G7D180325-9	C-000025.	2.03 g	40 mL	1	

Confirmation

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GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Curve: 042320078.B

Inst ID : LC9.I
Batch ID : 04272007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
27-APR-2007	11:42	KenneyF	CCV_5 Primer	C-000001.	0 g	0 mL	1	
27-APR-2007	12:45	KenneyF	CCV_5 Primer	C-000002.	0 g	0 mL	1	
27-APR-2007	13:48	KenneyF	Blank	C-000003.	1000 mL	20 mL	1	
27-APR-2007	19:08	KenneyF	CCV_5 Primer	C-000004.	0 g	0 mL	1	
27-APR-2007	20:11	KenneyF	Blank	C-000005.	1000 mL	20 mL	1	
27-APR-2007	21:14	KenneyF	STD_5 E070314F 100/200/100/100	C-000006.	0 g	0 mL	1	
27-APR-2007	22:17	KenneyF	STD_1 E070314F 5/0/0/0	C-000007.	0 g	0 mL	1	
27-APR-2007	23:20	KenneyF	JVG421AAB 7113470 G7D230000-MB	C-000008.	1000 mL	20 mL	1	
28-APR-2007	00:23	KenneyF	JT4MN1AF 7113470 A7D180106-1	C-000009.	985 mL	20 mL	1	
28-APR-2007	01:26	KenneyF	JT4MQ1AF 7113470 A7D180106-3	C-000010.	973 mL	20 mL	1	
28-APR-2007	02:29	KenneyF	JT4MT1AF 7113470 A7D180106-5	C-000011.	1021 mL	20 mL	1	
28-APR-2007	03:32	KenneyF	JT4MW1AF 7113470 A7D180106-7	C-000012.	1037 mL	20 mL	1	
28-APR-2007	04:36	KenneyF	JT4M01AF 7113470 A7D180106-9	C-000013.	1022 mL	20 mL	1	
28-APR-2007	05:39	KenneyF	JT4M21AF 7113470 A7D180106-11	C-000014.	788 mL	20 mL	1	
28-APR-2007	06:42	KenneyF	JT4M41AF 7113470 A7D180106-13	C-000015.	1009 mL	20 mL	1	
28-APR-2007	07:45	KenneyF	STD_6 E070314I 200/500/200/200	C-000016.	0 g	0 mL	1	
28-APR-2007	08:48	KenneyF	STD_1 E070314F 5/0/0/0	C-000017.	0 g	0 mL	1	
28-APR-2007	09:52	KenneyF	JT4M61AF 7113470 A7D180106-15	C-000018.	1024 mL	20 mL	1	

Not used
to backstop CCV
5/1/07

Confirmation

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D180106 **Work Order #...:** JVG421AA **Matrix.....:** WATER
MB Lot-Sample #: G7D230000-470

Prep Date.....: 04/23/07
Analysis Date..: 04/27/07 **Prep Batch #...:** 7113470
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Nitroglycerin	ND	0.65	ug/L	SW846 8330
PETN	ND	0.65	ug/L	SW846 8330
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
HMX	ND	0.10	ug/L	SW846 8330
Nitrobenzene	ND	0.10	ug/L	SW846 8330
2-Nitrotoluene	ND	0.50	ug/L	SW846 8330
3-Nitrotoluene	ND	0.50	ug/L	SW846 8330
4-Nitrotoluene	ND	0.50	ug/L	SW846 8330
RDX	ND	0.10	ug/L	SW846 8330
Tetryl	ND	0.10	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.10	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 Work Order #...: JVG421AC Matrix.....: WATER
LCS Lot-Sample#: G7D230000-470
Prep Date.....: 04/23/07 Analysis Date..: 04/27/07
Prep Batch #...: 7113470
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Nitroglycerin	**108**	**(84 - 118)**	**SW846 8330**
PETN	**107**	**(75 - 118)**	**SW846 8330**
2-Amino-4,6-dinitrotoluene	**111**	**(85 - 117)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**106**	**(84 - 116)**	**SW846 8330**
1,3-Dinitrobenzene	**111**	**(89 - 119)**	**SW846 8330**
2,4-Dinitrotoluene	**109**	**(85 - 122)**	**SW846 8330**
2,6-Dinitrotoluene	**108**	**(86 - 116)**	**SW846 8330**
HMX	**109**	**(83 - 119)**	**SW846 8330**
Nitrobenzene	**110**	**(88 - 119)**	**SW846 8330**
2-Nitrotoluene	**110**	**(84 - 114)**	**SW846 8330**
3-Nitrotoluene	**104**	**(85 - 116)**	**SW846 8330**
4-Nitrotoluene	**105**	**(85 - 115)**	**SW846 8330**
RDX	**116**	**(87 - 121)**	**SW846 8330**
Tetryl	**100**	**(79 - 113)**	**SW846 8330**
1,3,5-Trinitrobenzene	**112**	**(83 - 114)**	**SW846 8330**
2,4,6-Trinitrotoluene	**108**	**(81 - 120)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	104	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 Work Order #...: JT4M01AQ-MS Matrix.....: WG
MS Lot-Sample #: A7D180106-009 JT4M01AR-MSD
Date Sampled...: 04/17/07 11:12 Date Received..: 04/18/07
Prep Date.....: 04/23/07 Analysis Date..: 04/27/07
Prep Batch #...: 7113470
Dilution Factor: 0.99

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroglycerin	102	(84 - 118)			SW846 8330
	100	(84 - 118)	1.6	(0-18)	SW846 8330
PETN	101	(75 - 118)			SW846 8330
	102	(75 - 118)	1.4	(0-15)	SW846 8330
2-Amino-4,6-dinitrotoluene	105	(85 - 117)			SW846 8330
	105	(85 - 117)	0.09	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	100	(84 - 116)			SW846 8330
	100	(84 - 116)	0.92	(0-24)	SW846 8330
1,3-Dinitrobenzene	107	(89 - 119)			SW846 8330
	105	(89 - 119)	0.75	(0-24)	SW846 8330
2,4-Dinitrotoluene	104	(85 - 122)			SW846 8330
	103	(85 - 122)	1.2	(0-24)	SW846 8330
2,6-Dinitrotoluene	105	(86 - 116)			SW846 8330
	103	(86 - 116)	1.4	(0-24)	SW846 8330
HMX	102	(83 - 119)			SW846 8330
	102	(83 - 119)	0.19	(0-24)	SW846 8330
Nitrobenzene	104	(88 - 119)			SW846 8330
	105	(88 - 119)	2.1	(0-25)	SW846 8330
2-Nitrotoluene	106	(84 - 114)			SW846 8330
	105	(84 - 114)	1.3	(0-24)	SW846 8330
3-Nitrotoluene	100	(85 - 116)			SW846 8330
	95	(85 - 116)	4.6	(0-24)	SW846 8330
4-Nitrotoluene	100	(85 - 115)			SW846 8330
	99	(85 - 115)	1.0	(0-24)	SW846 8330
RDX	110	(87 - 121)			SW846 8330
	110	(87 - 121)	0.45	(0-23)	SW846 8330
Tetryl	90	(79 - 113)			SW846 8330
	89	(79 - 113)	0.84	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	104	(83 - 114)			SW846 8330
	103	(83 - 114)	0.67	(0-24)	SW846 8330
2,4,6-Trinitrotoluene	101	(81 - 120)			SW846 8330
	100	(81 - 120)	0.19	(0-26)	SW846 8330

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 **Work Order #...:** JT4M01AQ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01AR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	100	(79 - 116)
	98	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Surrogate Recovery Outlier Report

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
FWGDETmw-3bR-0444-GW	A7D180106025	8081A	1	AQ	Decachlorobiphenyl	35	50.0	150.0	10.0	All Target
					Tetrachloro-m-xylene	47	50.0	150.0	10.0	All Target
FWGDETmw-4bR-0445-GW	A7D180106011	8081A	1	AQ	Decachlorobiphenyl	29	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	30	50.0	150.0	10.0	All Target
FWGEQUIPRinse2-0457-GW	A7D180106017	8081A	1	AQ	Decachlorobiphenyl	22	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	26	50.0	150.0	10.0	All Target
FWGLL11mw-002C-0429-GW	A7D180106019	8082	1	AQ	Decachlorobiphenyl	44	50.0	150.0	10.0	All Target
FWGLL11mw-007C-0430-GW	A7D180106009	8082	1	AQ	Decachlorobiphenyl	49	50.0	150.0	10.0	All Target
FWGLL11mw-007C-0430-GWMS	A7D180106009S	8081A	1	AQ	Decachlorobiphenyl	30	50.0	150.0	10.0	All Target
					Tetrachloro-m-xylene	43	50.0	150.0	10.0	All Target
FWGLL11mw-007C-0430-GWMS	A7D180106009D	8081A	1	AQ	Decachlorobiphenyl	34	50.0	150.0	10.0	All Target
					Tetrachloro-m-xylene	46	50.0	150.0	10.0	All Target
FWGLL11mw-DUP5-0455-GW	A7D180106013	8081A	1	AQ	Decachlorobiphenyl	33	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	47	50.0	150.0	10.0	All Target
FWGLL1mw-083C-0421-GW	A7D180106007	8330	4.82	AQ	3,4-Dinitrotoluene	0.0	50.0	150.0	10.0	All Target
FWGLL2mw-262C-0423-GW	A7D180106023	8081A	1	AQ	Decachlorobiphenyl	36	50.0	150.0	10.0	All Target

Project Number and Name: ***030240.0005 - Ravenna GW***

Surrogate Recovery Outlier Report

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
FWGLL2mw-263C-0424-GW	A7D180106003	8081A	1	AQ	Decachlorobiphenyl	48	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	46	50.0	150.0	10.0	All Target
FWGLL3mw-240C-0426-GW	A7D180106027	8081A	1	AQ	Decachlorobiphenyl	37	50.0	150.0	10.0	All Target
FWGLL4mw-198C-0427-GW	A7D180106001	8081A	1	AQ	Decachlorobiphenyl	25	50.0	150.0	10.0	All Target
					Decachlorobiphenyl	9.6	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	10	50.0	150.0	10.0	All Target

8330MOD
NITROGUANIDINE
DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-198C-0427-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-001	**Work Order #...:**	JT4MN1AJ	**Matrix.....:**	WG
Date Sampled...:	04/17/07 09:05	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/25/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-263C-0424-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-003	**Work Order #...:**	JT4MQ1AJ	**Matrix.....:**	WG
Date Sampled...:	04/17/07 15:40	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/25/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGCBPmw-007C-0436-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-005	**Work Order #...:**	JT4MT1AJ	**Matrix.....:**	WG
Date Sampled...:	04/17/07 13:50	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-083C-0421-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-007	**Work Order #...:**	JT4MW1AJ	**Matrix.....:**	WG
Date Sampled...:	04/16/07 18:05	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-007C-0430-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-009	**Work Order #...:**	JT4M01A1	**Matrix.....:**	WG
Date Sampled...:	04/17/07 11:12	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-4bR-0445-GW

Dissolved HPLC

Lot-Sample #...: A7D180106-011 **Work Order #...:** JT4M21AJ **Matrix.....:** WG
Date Sampled...: 04/17/07 09:20 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114194
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-DUP5-0455-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-013	**Work Order #...:**	JT4M41AJ	**Matrix.....:**	WG
Date Sampled...:	04/17/07 14:25	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

Dissolved HPLC

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AJ **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114194
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse2-0457-GW

Dissolved HPLC

Lot-Sample #...: A7D180106-017 **Work Order #...:** JT4M81AJ **Matrix.....:** WQ
Date Sampled...: 04/17/07 17:40 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114194
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL11mw-002C-0429-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-019	**Work Order #...:**	JT4NC1AJ	**Matrix.....:**	WG
Date Sampled...:	04/17/07 14:25	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDA2mw-DET1bR-0437-GW

Dissolved HPLC

Lot-Sample #...: A7D180106-021 **Work Order #...:** JT4NE1AJ **Matrix.....:** WG
Date Sampled...: 04/17/07 11:45 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL2mw-262C-0423-GW

Dissolved HPLC

Lot-Sample #...: A7D180106-023 **Work Order #...:** JT4NG1AJ **Matrix.....:** WG
Date Sampled...: 04/17/07 14:15 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGDETmw-3bR-0444-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-025	**Work Order #...:**	JT4NJ1AJ	**Matrix.....:**	WG
Date Sampled...:	04/17/07 10:10	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114234				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-240C-0426-GW

Dissolved HPLC

Lot-Sample #...: A7D180106-027 **Work Order #...:** JT4NT1AJ **Matrix.....:** WG
Date Sampled...: 04/17/07 10:50 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

****

Varian Star Workstation - RecalcList Thu Apr 26 14:38:39 2007

RecalcList: C:\Star\Sample list\NQ-04.25.2007.RCL

Created: Wed Apr 25 14:19:56 2007
Modified: Thu Apr 26 14:28:57 2007

PDT-1 NA Analysis 25 April 2007

****

SAC-CC-0010

Line	Sample Type	Sample Name	Data F
1	Verification	Primer	nq-4-25-2007=14;32;41-primer.
2	Verification	Primer	nq-4-25-2007=14;53;20-primer.
3	Verification	Primer	nq-4-25-2007=15;13;59-primer.
4	Verification	Primer	nq-4-25-2007=15;34;38-primer.
5	Verification	Primer	nq-4-25-2007=15;55;18-primer.
6	Verification	Primer	nq-4-25-2007=16;16;01-primer.
7	Analysis	Water blank	nq-4-25-2007=16;36;43-water blank.
8	Verification	E061101E L4 CCV	nq-4-25-2007=16;57;25-e061101e 14 ccv.
9	Verification	E061101B L1 CCV	nq-4-25-2007=17;18;06-e061101b 11 ccv.
10	Analysis	G7D170000-371-LCS	nq-4-25-2007=17;38;47-g7d170000-371-lcs.
11	Verification	E061101F L5 CCV	nq-4-25-2007=17;59;27-e061101f 15 ccv.
12	Verification	E061101B L1 CCV	nq-4-25-2007=18;20;08-e061101b 11 ccv.
13	Analysis	G7D240000-194-MB	nq-4-25-2007=18;40;51-g7d240000-194-mb.
14	Analysis	G7D240000-194-LCS	nq-4-25-2007=19;01;31-g7d240000-194-lcs.
15	Analysis	A7D170102-1	nq-4-25-2007=19;22;11-a7d170102-1.
16	Analysis	A7D170102-3	nq-4-25-2007=19;42;51-a7d170102-3.
17	Analysis	A7D170102-5	nq-4-25-2007=20;03;30-a7d170102-5.
18	Analysis	A7D170102-7	nq-4-25-2007=20;24;09-a7d170102-7.
19	Analysis	A7D170102-9	nq-4-25-2007=20;44;48-a7d170102-9.
20	Analysis	A7D170102-11	nq-4-25-2007=21;05;27-a7d170102-11.
21	Analysis	A7D170102-11MS	nq-4-25-2007=21;26;06-a7d170102-11ms.
22	Analysis	A7D170102-11MSD	nq-4-25-2007=21;46;44-a7d170102-11msd.
23	Verification	E061101E L4 CCV	nq-4-25-2007=22;07;26-e061101e 14 ccv.
24	Verification	E061101B L1 CCV	nq-4-25-2007=22;28;07-e061101b 11 ccv.
25	Analysis	A7D170102-13	nq-4-25-2007=22;48;47-a7d170102-13.
26	Analysis	A7D170102-15	nq-4-25-2007=23;09;26-a7d170102-15.
27	Analysis	A7D180106-1	nq-4-25-2007=23;30;05-a7d180106-1.
28	Analysis	A7D180106-3	nq-4-25-2007=23;50;44-a7d180106-3.
29	Analysis	A7D180106-5	nq-4-26-2007=00;11;25-a7d180106-5.
30	Analysis	A7D180106-7	nq-4-26-2007=00;32;03-a7d180106-7.
31	Analysis	A7D180106-9	nq-4-26-2007=00;52;43-a7d180106-9.
32	Analysis	A7D180106-9MS	nq-4-26-2007=01;13;21-a7d180106-9ms.
33	Analysis	A7D180106-9MSD	nq-4-26-2007=01;34;01-a7d180106-9msd.
34	Analysis	A7D180106-11	nq-4-26-2007=01;54;40-a7d180106-11.
35	Verification	E061101E L4 CCV	nq-4-26-2007=02;15;24-e061101e 14 ccv.
36	Verification	E061101B L1 CCV	nq-4-26-2007=02;36;04-e061101b 11 ccv.
37	Analysis	A7D180106-13	nq-4-26-2007=02;56;44-a7d180106-13.
38	Analysis	A7D180106-15	nq-4-26-2007=03;17;23-a7d180106-15.
39	Analysis	A7D180106-17	nq-4-26-2007=03;38;03-a7d180106-17.
40	Analysis	A7D180106-19	nq-4-26-2007=03;58;42-a7d180106-19.
41	Analysis	G7D240000-234-MB	nq-4-26-2007=04;19;22-g7d240000-234-mb.
42	Analysis	G7D240000-234-LCS	nq-4-26-2007=04;40;02-g7d240000-234-lcs
43	Analysis	A7D180106-21	nq-4-26-2007=05;00;42-a7d180106-21
44	Analysis	A7D180106-23	nq-4-26-2007=05;21;22-a7d180106-23
45	Analysis	A7D180106-25	nq-4-26-2007=05;42;00-a7d180106-25
46	Analysis	A7D180106-27	nq-4-26-2007=06;02;40-a7d180106-27
47	Verification	E061101E L4 CCV	nq-4-26-2007=06;23;22-e061101e 14 ccv
48	Verification	E061101B L1 CCV	nq-4-26-2007=06;44;04-e061101b 11 ccv
49	Analysis	A7D190102-1	nq-4-26-2007=07;04;45-a7d190102-1
50	Analysis	A7D190102-3	nq-4-26-2007=07;25;24-a7d190102-3
51	Analysis	A7D190102-5	nq-4-26-2007=07;46;04-a7d190102-5
52	Analysis	A7D190102-7	nq-4-26-2007=08;06;43-a7d190102-7
53	Analysis	A7D190102-9	nq-4-26-2007=08;27;22-a7d190102-9
54	Analysis	A7D190102-11	nq-4-26-2007=08;48;01-a7d190102-11
55	Analysis	A7D190102-13	nq-4-26-2007=09;08;41-a7d190102-13
56	Analysis	A7D190102-15	nq-4-26-2007=09;29;19-a7d190102-15
57	Analysis	A7D190102-17	nq-4-26-2007=09;50;00-a7d190102-17
58	Analysis	A7D190102-21	nq-4-26-2007=10;10;39-a7d190102-21
59	Verification	E061101E L4 CCV	nq-4-26-2007=10;31;20-e061101e 14 ccv
60	Verification	E061101B L1 CCV	nq-4-26-2007=10;52;00-e061101b 11 ccv
61	Analysis	A7D190102-19	nq-4-26-2007=11;12;42-a7d190102-19
62	Analysis	A7D190102-19MS	nq-4-26-2007=11;33;22-a7d190102-19ms
63	Analysis	A7D190102-19MSD	nq-4-26-2007=11;54;01-a7d190102-19msd
64	Analysis	A7D190102-23	nq-4-26-2007=12;14;42-a7d190102-23
65	Analysis	A7D190102-25	nq-4-26-2007=12;35;23-a7d190102-25
66	Analysis	A7D190102-27	nq-4-26-2007=12;56;03-a7d190102-27
67	Analysis	A7D190102-29	nq-4-26-2007=13;16;44-a7d190102-29
STL North Canton	Analysis	A7D190237-4	nq-4-26-2007=13;37;24-a7d190237-4

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D180106 **Work Order #...:** JVH401AA **Matrix.....:** WATER
MB Lot-Sample #: G7D240000-194

Prep Date.....: 04/24/07
Analysis Date..: 04/25/07 **Prep Batch #...:** 7114194
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Nitroguanidine	ND	20	ug/L	SW846 8330 (Modif

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D180106 **Work Order #...:** JVH781AA **Matrix.....:** WATER
MB Lot-Sample #: G7D240000-234

Prep Date.....: 04/24/07
Analysis Date..: 04/26/07 **Prep Batch #...:** 7114234
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Nitroguanidine	ND	20	ug/L	SW846 8330 (Modif

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 Work Order #...: JVH781AC Matrix.....: WATER
LCS Lot-Sample#: G7D240000-234
Prep Date.....: 04/24/07 Analysis Date..: 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Nitroguanidine	**91**	**(84 - 123)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 Work Order #...: JVH401AC Matrix.....: WATER
LCS Lot-Sample#: G7D240000-194
Prep Date.....: 04/24/07 Analysis Date..: 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Nitroguanidine	**94**	**(84 - 123)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 **Work Order #...:** JT4M01A2-MS **Matrix.....:** WG
MS Lot-Sample #: A7D180106-009 JT4M01A3-MSD
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114194
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	**89**	**(84 - 123)**			**SW846 8330 (Modified**
	98	**(84 - 123)**	**10**	**(0-15)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 **Work Order #...:** JT12G1A2-MS **Matrix.....:** WATER
MS Lot-Sample #: A7D170102-011 JT12G1A3-MSD
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	**94**	**(84 - 123)**			**SW846 8330 (Modified**
	98	**(84 - 123)**	**3.4**	**(0-15)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D180106 Work Order #...: JT7LC1A2-MS Matrix.....: WATER
MS Lot-Sample #: A7D190102-019 JT7LC1A3-MSD
Date Sampled...: 04/18/07 09:55 Date Received..: 04/19/07
Prep Date.....: 04/24/07 Analysis Date..: 04/26/07
Prep Batch #...: 7114234
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	101	(84 - 123)			SW846 8330 (Modified
	99	(84 - 123)	1.8	(0-15)	SW846 8330 (Modified

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units
6010B	AQ	Copper	FWGLL11mw-002	ES/TO	2.0	B	FWGLL11mw-DU	ES/TO	5.0	U	200.0	30	ug/L
	AQ	Nickel		ES/TO	10.0	U		ES/TO	3.4	B	200.0	30	ug/L
8081A	AQ	beta-BHC	FWGLL11mw-002	RES	0.21	PG	FWGLL11mw-DU	RES	0.030	U	200.0	30	ug/L
	AQ	Methoxychlor		RES	0.031	J		RES	0.10	U	200.0	30	ug/L

Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

Project Number and Name: ***030240.0005 - Ravenna GW***

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGCBPmw-007C-0436-	A7D180106006	6010B	AQ	Barium	B	9.9	10.0	ug/L
				Cobalt	B	2.2	5.0	ug/L
				Nickel	B	3.8	10.0	ug/L
		6020		Zinc	B J	7.2	10.0	ug/L
FWGDA2mw-DET1bR-04	A7D180106022	6010B		Nickel	B	1.7	10.0	ug/L
FWGDETmw-3bR-0444-G	A7D180106026			Copper	B	2.4	5.0	ug/L
				Nickel	B	1.6	10.0	ug/L
		6020		Zinc	B J	7.8	10.0	ug/L
FWGDETmw-3bR-0444-G	A7D180106025	8270C		2,6-Dinitrotoluene	J	4.6	5.0	ug/L
		9012A		Cyanide	B J	0.0090	0.010	mg/L
FWGDETmw-4bR-0445-G	A7D180106012	6010B		Copper	B	2.5	5.0	ug/L
				Manganese	B J	1.6	10.0	ug/L
FWGDETmw-4bR-0445-G	A7D180106011	8260B		1,1-Dichloroethene	J	0.30	1.0	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J	1.9	10	ug/L
		8330		2-Nitrotoluene	J	0.11	0.63	ug/L
FWGEQUIPRinse1-0456-	A7D180106015	6010B		Potassium	B J	143	1000	ug/L
		6020		Zinc	B J	5.3	10.0	ug/L
		8260B		Methylene chloride	J B	0.21	2.0	ug/L
				Toluene	J	0.76	1.0	ug/L
FWGEQUIPRinse2-0457-	A7D180106017	6010B		Calcium	B	95.0	1000	ug/L
				Copper	B	1.9	5.0	ug/L
				Potassium	B J	148	1000	ug/L
		6020		Zinc	B J	5.1	10.0	ug/L
		8260B		Methylene chloride	J B	0.26	2.0	ug/L
				Toluene	J	0.64	1.0	ug/L
FWGLL11mw-002C-0429-	A7D180106020	6010B		Copper	B	2.0	5.0	ug/L
		6020		Aluminum	B	20.5	50.0	ug/L
FWGLL11mw-002C-0429-	A7D180106019	8081A		Methoxychlor	J	0.031	0.10	ug/L
FWGLL11mw-007C-0430-	A7D180106010	6020		Zinc	B J	6.7	10.0	ug/L
FWGLL11mw-007C-0430-	A7D180106009	8081A		Methoxychlor	J	0.038	0.10	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J	0.90	10	ug/L
FWGLL11mw-DUP5-0455	A7D180106014	6010B		Nickel	B	3.4	10.0	ug/L
		6020		Aluminum	B	27.3	50.0	ug/L
FWGLL1mw-083C-0421-G	A7D180106008	6010B		Copper	B	2.9	5.0	ug/L
		6020		Beryllium	B	0.19	1.0	ug/L
				Cadmium	B	0.29	0.50	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGLL1mw-083C-0421-G	A7D180106008	6020	AQ	Thallium	B	0.041	1.0	ug/L
FWGLL1mw-083C-0421-G	A7D180106007	8081A		4,4'-DDT	J	0.024	0.030	ug/L
				alpha-BHC	J	0.011	0.030	ug/L
				Methoxychlor	J	0.028	0.10	ug/L
		8270C		2,4-Dinitrotoluene	J	2.3	5.0	ug/L
				2,6-Dinitrotoluene	J	1.6	5.0	ug/L
		8330		HMX	J	0.18	0.48	ug/L
FWGLL2mw-262C-0423-G	A7D180106024	6010B		Cobalt	B	1.3	5.0	ug/L
				Copper	B	1.8	5.0	ug/L
		6020		Aluminum	B	3.4	50.0	ug/L
				Zinc	B J	6.6	10.0	ug/L
FWGLL2mw-263C-0424-G	A7D180106004	6010B		Cobalt	B	2.4	5.0	ug/L
				Nickel	B	5.7	10.0	ug/L
				Potassium	B J	602	1000	ug/L
		6020		Zinc	B J	6.6	10.0	ug/L
FWGLL2mw-263C-0424-G	A7D180106003	8330		Pentaerythritol Tetranitrate (PETN)	J	0.48	0.65	ug/L
FWGLL3mw-240C-0426-G	A7D180106028	6010B		Barium	B	8.5	10.0	ug/L
				Copper	B	2.6	5.0	ug/L
				Manganese	B J	7.7	10.0	ug/L
				Nickel	B	8.2	10.0	ug/L
				Potassium	B J	721	1000	ug/L
		6020		Aluminum	B	11.8	50.0	ug/L
				Zinc	B J	8.2	10.0	ug/L
FWGLL3mw-240C-0426-G	A7D180106027	8081A		Methoxychlor	J	0.021	0.10	ug/L
FWGLL4mw-198C-0427-G	A7D180106002	6010B		Cobalt	B	1.4	5.0	ug/L
		6020		Aluminum	B	28.2	50.0	ug/L
FWGLL4mw-198C-0427-G	A7D180106001	8081A		Methoxychlor	J	0.038	0.10	ug/L
		8330		Pentaerythritol Tetranitrate (PETN)	J	0.57	0.65	ug/L
FWGRinse TRIP BLANK	A7D180106032	8260B		Methylene chloride	J B	0.34	2.0	ug/L
FWGTeam1 TRIP BLANK	A7D180106029			Methylene chloride	J B	0.35	2.0	ug/L
FWG-Team2-TRIP	A7D180106030			Methylene chloride	J B	0.36	2.0	ug/L
FWGTeam3 TRIP BLANK	A7D180106031			Methylene chloride	J B	0.35	2.0	ug/L

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGCBPmw-007C-0436-	A7D180106005	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGDA2mw-DET1bR-04	A7D180106021	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGDETmw-3bR-0444-G	A7D180106025	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGDETmw-4bR-0445-G	A7D180106011	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2,4-Dinitrotoluene	U	0.13	0.10	ug/L
				2,6-Dinitrotoluene	U	0.13	0.10	ug/L
				3-Nitrotoluene	U	0.63	0.20	ug/L
				4-Nitrotoluene	U	0.63	0.20	ug/L
FWGEQUIPRinse1-0456-	A7D180106015	6010B	AQ	Calcium	U	1000	100.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGEQUIPRinse1-0456-	A7D180106015	6010B	AQ	Magnesium	U	1000	100.00	ug/L
				Sodium	U	1000	200.00	ug/L
		8081A		Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGEQUIPRinse2-0457-	A7D180106017	6010B	AQ	Magnesium	U	1000	100.00	ug/L
				Sodium	U	1000	200.00	ug/L
		8081A		Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.49	0.20	ug/L
				3-Nitrotoluene	U	0.49	0.20	ug/L
				4-Nitrotoluene	U	0.49	0.20	ug/L
FWGLL11mw-002C-0429-	A7D180106019	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGLL11mw-007C-0430-	A7D180106009	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGLL11mw-DUP5-0455	A7D180106013	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGLL1mw-083C-0421-G	A7D180106007	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	2.4	0.96	ug/L
				3-Nitrotoluene	U	2.4	0.96	ug/L
				4-Nitrotoluene	U	2.4	0.96	ug/L
FWGLL2mw-262C-0423-G	A7D180106023	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.52	0.20	ug/L
				3-Nitrotoluene	U	0.52	0.20	ug/L
				4-Nitrotoluene	U	0.52	0.20	ug/L
FWGLL2mw-263C-0424-G	A7D180106003	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.51	0.20	ug/L
				3-Nitrotoluene	U	0.51	0.20	ug/L
				4-Nitrotoluene	U	0.51	0.20	ug/L
FWGLL3mw-240C-0426-G	A7D180106027	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D180106 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGLL3mw-240C-0426-G	A7D180106027	8260B	AQ	Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGLL4mw-198C-0427-G	A7D180106001	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGRinse TRIP BLANK	A7D180106032	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTeam1 TRIP BLANK	A7D180106029	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWG-Team2-TRIP	A7D180106030	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTeam3 TRIP BLANK	A7D180106031	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Data Validator: Heather Medley/Environmental Quality Management, Inc. (EQM, Inc.)

QA/QC Summary

On April 16, 2007 the following samples were collected from groundwater-monitoring wells at Ravenna Army Ammunition Plant and analyzed as part of SDG A7D170102.

Field Sample ID	Analytes	Method
FWGLL1mw-078c-0419-GW	VOCs	SW846 8260B
FWGRQLmw-008c-0442-GW	SVOCs	SW846 8270C
FWGLL1mw-080c-0420-GW	Pesticides	SW846 8081A
FWGTeam1-Trip	PCBs	SW846 8082
FWGLL3mw-238c-0425-GW	Explosives	SW846 8330
FWGRQLmw-009c-0443-GW	Nitroguanidine	SW846 8330 modified
FWGRQLmw-DUP1-0447-GW	Nitrocellulose	EPA 353.2 modified
FWGTeam2-Trip	Cyanide	SW846 9012A
FWGLL4mw-199c-0428-GW		
FWGRQLmw-007c-0441-GW		
FWGTeam3-Trip		
FWGLL1mw-078c-0419-GF	TAL23 Metals	SW846 6010B/6020/7470A
FWGRQLmw-008c-0442-GF		
FWGLL1mw-080c-0420-GF		
FWGLL3mw-238c-0425-GF		
FWGRQLmw-009c-0443-GF		
FWGRQLmw-DUP1-0447-GF		
FWGLL4mw-199c-0428-GF		
FWGRQLmw-007c-0441-GF		

The data presented in this report were evaluated according to the *Final Quality Assurance Project Plan Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant Ravenna, OH, Portage Environmental, September 2004.* The following documents will be used as needed to supplement the project documentation: *Louisville Chemistry Guidelines, USACE, June 2002 version 5, EPA National Functional Guidelines (NFG) for Organic Data Review, EPA-540/R-99-008, October 1999, NFG for Inorganic Data Review, EPA-540/R-04-004, October 2004*, Analytical Methods, and Laboratory Standard Operating Procedures. These objectives represent accuracy and precision performance goals for each analytical method.

Ten coolers were received at the lab. Nine of the coolers were received within acceptable criteria of 0-6°C. Cooler K110 was received at 6.5°C. The laboratory noted the cooler was received without ice. The EQ Project Chemist (Erik Corbin) was notified. The Project Chemist gave approval to proceed with analysis. The cooler contained samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip. The

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

volatile, semi-volatile, explosives, propellant, pesticide, and PCB analyses for these samples were impacted. The impact and any qualifications, if necessary, are detailed below in each method review.

The completeness objective for the project was 90%. The completeness objective was met for this SDG, 93.6%. Limitations, if any, on the data are indicated with qualifiers detailed below.

SUMMARY OF QUALIFICATIONS AND QC OUTLIERS:

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL1mw-078c-0419-GF	6010B	Barium	7.0	J	Results were between the MDL and RL.
		Cobalt	1.7	J	
		Nickel	4.4	J	
		Potassium	399	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	212	J	
		Zinc	5.9	BJ	B = Result was less than the 5x MB and ER values; J = Result was between the MDL and RL.
FWGLL1mw-078c-0419-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits;
	8081A	All analtyes except Endosulfan I and Endosulfan II	Various	UJ	Surrogate recovered below control limits
		Endosulfan I	0.025	UJ	Surrogate recovered below control limits; LCS recovered below control limits.
		Endosulfan II	0.025	UJ	
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL1mw-078c-0419-GW	8260B	Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	Bis(2-ethylhexyl)phthalate	2.4	J	Result was between the MDL and RL.
		Diethyl phthalate	0.81	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
	8330	PETN	0.42	J	Result was between the MDL and RL.
FWGBKGmw-080c-0420-GF	6010B	Manganese	3.5	J	Results were between the MDL and RL.
		Nickel	2.8	J	
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	159	J	
		Zinc	6.5	BJ	B = Result was less than the 5x MB and ER values; J = Result was between the MDL and RL.
FWGBKGmw-080c-0420-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits;
	8330	2,6-Dinitrotoluene	0.061	J	Result was between the MDL and RL.
	8081A	Endosulfan I	0.025	UJ	LCS recovered below control limits.
		Endosulfan II	0.025	UJ	
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Dibromochloromethane	1.0	R	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGBKGmw-080c-0420-GW	8260B	Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
	8270C	Bis(2-ethylhexyl)phthalate	2.4	J	Result was between the MDL and RL.
		Diethyl phthalate	0.83	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
FWGLL3mw-238c-0425-GF	6010B	Barium	5.1	J	Results were between the MDL and RL.
		Manganese	1.8	J	
		Nickel	1.7	J	
	6020	Aluminum	15.5	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	185	J	
		Zinc	5.5	BJ	B = Result was less than the 5x MB and ER values; J = Result was between the MDL and RL.
FWGLL3mw-238c-0425-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits;
	8330	All analytes	Various	J/R	Surrogate recovered below 10%; Cooler temperature was above 6°C
	8081A	All analytes	Various	R	
	8082	All analytes	0.50	UJ	Cooler temperature was above 6°C
	8260B	All analytes	Various	UJ/J	
		Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL3mw-238c-0425-GW	8260B	Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Dibromochloromethane	1.0	R	
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
	8270C	All analyes	Various	UJ/J	Cooler temperature was above 6°C
		Bis(2-ethylhexyl)phthalate	4.0	J	Result was between the MDL and RL.
		Diethyl phthalate	0.80	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
	8330 Mod	Nitroguanidine	20	UJ	Cooler temperature was above 6°C
FWGLL4mw-199c-0428-GF	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	2460	J	
		Zinc	6.7	BJ	B = Result was less than the 5x MB and ER values; J = Result was between the MDL and RL.
FWGLL4mw-199c-0428-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits;
	8081A	Endosulfan I	0.025	UJ	LCS recovered below control limits.
		Endosulfan II	0.025	UJ	
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGLL4mw-199c-0428-GW	8260B	Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%
		Dibromochloromethane	1.0	R	
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Bromomethane	1.0	UJ	ICV %R was below control limits
	8270C	Hexachlorocyclopentadiene	10	R	LCS recovered below 30%
FWGRQLmw-007c-0441-GF	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	21700	J	
		Thallium	0.029	J	Result was between the MDL and RL.
FWGRQLmw-007c-0441-GW	353.3 mod	Nitrocellulose	0.50 mg/L	UJ	MSD recovered below control limits;
	8081A	All analtyes except Endosulfan I and Endosulfan II	Various	UJ	Surrogate recovered below control limits
		Endosulfan I	0.025	UJ	Surrogate recovered below control limits; LCS recovered below control limits; MS/MSD recovered below control limits
		Endosulfan II	0.025	UJ	LCS recovered below control limits;
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8330	2-Nitrotoluene	0.089	J	Result was between the MDL and RL.
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472

Date: November 14, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGRQLmw-007c-0441-GW	8260B	Bromodichloromethane	1.0	UJ	MRL checks recovered below control limits; MS/MSD recovered below control limits
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%; MS/MSD recovered below control limits
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; MS/MSD recovered below control limits
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	Bis(2-ethylhexyl)phthalate	4.0	J	Result was between the MDL and RL.
		Diethyl phthalate	0.86	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%; MS/MSD recovered below control limits
FWGRQLmw-008c-0442-GF	6010B	Cobalt	2.8	J	Results were between the MDL and RL.
		Copper	1.9	J	
		Nickel	9.0	J	
	6020	Aluminum	29.4	J	
		Beryllium	0.30	J	
		Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	134000	J	
		Zinc	9.3	BJ	B = Result was less than the 5x MB and ER values; J = Result was between the MDL and RL.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGRQLmw-008c-0442-GW	353.3 mod	Nitrocellulose	0.13 mg/L	J	MSD recovered below control limits;
	8081A	All analtyes except Endosulfan I and Endosulfan II	Various	UJ	Surrogate recovered below control limits
		Endosulfan I	0.025	UJ	Surrogate recovered below control limits; LCS recovered below control limits;
		Endosulfan II	0.025	UJ	
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits;
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	Bis(2-ethylhexyl)phthalate	1.9	J	Result was between the MDL and RL.
		Diethyl phthalate	0.83	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%; MS/MSD recovered below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGRQLmw-009c-0443-GF	6010B	Nickel	5.5	J	Result was between the MDL and RL.
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	21700	J	
		Thallium	0.079	J	Result was between the MDL and RL.
		Zinc	7.7	BJ	B = Result was less than the 5x MB and ER values; J = Result was between the MDL and RL.
FWGRQLmw-009c-0443-GW	353.3 mod	Nitrocellulose	0.13 mg/L	J	MSD recovered below control limits;
	8081A	All analtyes except Endosulfan I, Endosulfan II, and beta-BHC	Various	UJ	Surrogate recovered below control limits
		Endosulfan I	0.025	UJ	Surrogate recovered below control limits; LCS recovered below control limits;
		Endosulfan II	0.025	UJ	
		Beta-BHC	0.083	J	Surrogate recovered below control limits; Result was between the MDL and RL; Field duplicate RPD was above control limits
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits;

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472

Date: November 14, 2007
Revision: 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGRQLmw-009c-0443-GW	8260B	Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	Bis(2-ethylhexyl)phthalate	1.6	J	Result was between the MDL and RL.
		Diethyl phthalate	0.81	BJ	B = Result was less than the 5x MB value; J = Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%; MS/MSD recovered below control limits
	8330	2-Nitrotoluene	0.11	J	Result was between the MDL and RL.
FWGRQLmw-DUP1-0447-GF	6010B	Nickel	6.4	J	Result was between the MDL and RL.
	6020	Antimony	2.0	UJ	MRL Check recovered below control limits
		Iron	20200	J	
		Thallium	0.097	J	Result was between the MDL and RL.
		Zinc	7.5	BJ	B = Result was less than the 5x MB and ER values; J = Result was between the MDL and RL.
FWGRQLmw-DUP1-0447-GW	353.3 mod	Nitrocellulose	0.13 mg/L	J	MSD recovered below control limits;
	8081A	All analtyes except Endosulfan I, Endosulfan II	Various	UJ	Surrogate recovered below control limits
		Endosulfan I	0.025	UJ	Surrogate recovered below control limits; LCS recovered below control limits;
		Endosulfan II	0.025	UJ	
	8082	All Aroclors	0.50	UJ	Surrogate recovered below control limits
	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGRQLmw-DUP1-0447-GW	8260B	1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits;
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
	8270C	Bis(2-ethylhexyl)phthalate	2.4	J	Result was between the MDL and RL.
		Hexachlorocyclopentadiene	10	R	LCS recovered below 30%; MS/MSD recovered below control limits
	8330	2-Nitrotoluene	0.11	J	Result was between the MDL and RL.
FWGTEAM1-Trip	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits;
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGTEAM1-Trip	8260B	Methylene Chloride	0.40	J	Result was between the MDL and RL.
FWGTEAM2-Trip	8260B	All analytes	Various	UJ/J	Cooler temperature was above 6°C
		Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits;
		Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Methylene Chloride	0.46	J	Result was between the MDL and RL.
FWGTEAM3-Trip	8260B	Trans-1,3-Dichloropropene	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		1,2-Dibromoethane	1.0	UJ	MRL checks recovered below control limits
		Bromodichloromethane	1.0	UJ	
		Bromoform	1.0	R	Closing MRL Checks recovered below 60%;
		Dibromochloromethane	1.0	R	
		Bromomethane	1.0	UJ	ICV %R was below control limits
		Carbon Tetrachloride	1.0	R	MRL Checks recovered below 60%; LCS recovered below control limits;

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Sample ID	Method	Analyte	Concentration (µg/L)	Flag	Reason
FWGTEAM3-Trip	8260B	Cis-1,3-Dichloropropene	1.0	R	Opening MRL Checks recovered below 60%; LCS recovered below control limits; CCV %D was below control limits
		Methylene Chloride	0.40	J	Result was between the MDL and RL.

J = Analyte concentration was considered an estimated value.
MDL = Method Detection Limit
RL = reporting limit
MB = Method Blank
MRL = Method Reporting Limit
MS/MSD = Matrix Spike/Matrix Spike Duplicate
CCV = Continuing calibration Verification
%R = percent recovery
U = Analyte was not detected.
R = non-usable
CCB = Continuing calibration blank
ER = Equipment Rinse
B = Blank contamination
LCS = Laboratory Control Sample
ICV = Initial Calibration Verification
%D = percent difference
UJ = Analyte was not detected above the MDL, but the MDL was considered estimated.
BJ = Analyte was considered not detected above the MDL due to blank contamination, but the concentration was considered estimated.

Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.

Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.

The equipment rinse (FWGEQUIPRinse1-0456-GW) was submitted and analyzed in SDG A7D180106. The results were cross-applied to this SDG.

VOAs - 8260B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation
- Tuning criteria
- Initial Calibration Criteria including SPCC and CCC compounds
- Internal standard area counts and retention times
- Surrogate recoveries
- Field duplicate RPD criteria

Data Verification Summary

Site: Ravenna Army Ammunition Plant
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STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

MRL/QC checks:

- Opening MRL: Acetone %R = 133.2%, Methylene Chloride %R = 134.7%, Carbon Tetrachloride %R = 59.9%, cis-1,3-Dichloropropene %R = 58.0%, trans-1,3-Dichloropropene %R = 45.4%, Dibromochloromethane %R = 66.9%, 1,2-Dibromoethane %R = 68.2%, and Bromoform %R = 61.0%.
- Closing MRL: Methylene Chloride %R = 130.4%, Carbon Tetrachloride %R = 58.1%, Bromodichloromethane %R = 68.3%, cis-1,3-dichloropropene %R = 60.2%, trans-1,3-dichloropropene %R = 46.6%, Dibromochloromethane %R = 57.5%, and Bromoform %R = 58.4%.
- There were no detected results for Acetone; therefore no qualifications were made.
- Samples FWGTeam1-Trip, FWGTeam2-Trip, and FWGTeam3-Trip Methylene Chloride results were qualified "J".
- dibromochloromethane, and bromoform: all results were non-detect and were qualified "R" based on the ending MRL.
- cis-1,3-Dichloropropene: all results were non-detect and were qualified "R" based on the opening MRL.
- All Bromodichloromethane and 1,2-Dibromomethane results were qualified "J/UJ".
- Carbon Tetrachloride and Trans-1,3-Dichloropropene: all results were non-detect and were qualified "R".

Bromomethane ICV %R was 77.3%; all results were qualified "J/UJ"

Carbon Tetrachloride CCV %D was -20.7%. Cis-1,3-Dichloropropene CCV %D was -30.4%. trans-1,3-Dichloropropene CCV %D was -36.1%; No qualifications were made for carbon tetrachloride since the average %D was 9.4%. All associated results for cis and trans-1,3-Dichloropropene were not detected. The result were qualified "R".

Methylene Chloride was detected at 0.4; the RL was 2.0. No qualifications were made since the contamination was less than ½ the RL.

FWGEQUIPRinse1-0456-GW detected Methylene Chloride at 0.21 ug/L and Toluene at 0.76 ugL. There were no qualifications made for methylene chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made.

FWGTEAM1-TRIP detected Methylene chloride at 0.40 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

FWGTEAM2-TRIP detected Methylene chloride at 0.46 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

FWGTEAM3-TRIP detected Methylene chloride at 0.40 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 ppb).

Bromochloromethane was not spiked in the LCS/LCSD. No evaluation could be made; therefore no qualifications were made.

Cis-1,3-dichloropropene and trans-1,3-dichloropropene recovered below control limits in the LCS and LCSD. Carbon tetrachloride recovered below control limits in the LCSD. All results were qualified "UJ".

Sample FWGRQLmw-007c-0441-GW was the parent MS/MSD sample.

- Bromochloromethane was not spiked in the MS/MSD. No evaluation could be made; therefore no qualifications were made.
- Bromodichloromethane, bromoform, carbon tetrachloride, cis-1,3-dichloropropene, dibromochloromethane, and trans-1,3-dichloropropene recovered below control limits in the MS and MSD. All results were qualified "J/UJ" in the parent sample.

SVOCs- 8270C

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation
- Tuning criteria
- Initial Calibration criteria including CCC and SPCC compounds
- ICV and CCV criteria
- Internal standard area counts and retention times
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- Surrogate recovery criteria

Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Bis(2-ethylhexyl)phthalate was detected in the method blank at 1.9; RL is 10 ppb. There were no qualifications made for bis(2-ethylhexyl)phthalate since the MB result was less than ½ the MRL.

Diethyl phthalate was detected in the method blank at 0.87; RL is 1.0 ppb. Diethyl phthalate was qualified "B" in samples FWGLL1mw-078c-0419-GW, FWGLL1mw-080c-0420-GW, FWGLL3mw-238c-0425-GW, FWGRQL-007c-0441-GW, FWGRQL-008c-0442-GW, and FWGRQL-009c-0443-GW.

Hexachlorocyclopentadiene recovered at 20% in the LCS. The rejection recovery is 30%. All results were qualified "R".

Sample FWGRQLmw-007c-0441-GW was the parent MS/MSD sample.

- 3,3'-dichlorobenzidine, Hexachlorobutadiene, Hexachloroethane and hexachlorocyclopentadiene recovered below control limits in the MS.
- 3,3'-dichlorobenzidine, Hexachloroethane and hexachlorocyclopentadiene recovered below control limits in the MSD.
- 3,3'-Dichlorobenzidine, hexachlorobutadiene, and hexachloroethane had no other QC outliers. Therefore no qualifications were made.
- Hexachlorocyclopentadiene results were qualified "J/UJ" in the parent sample.

Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW. Bis(2-ethylhexyl)phthalate RPD was 40%. Both results were qualified "J".

Pesticides- 8081

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation
- Initial Calibration criteria
- DDT and Endrin breakdown criteria
- Retention time criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- Second Column confirmation criteria

The RLs were elevated due to matrix interference for samples FWGLL1mw-080c-0420-GW, FWGLL3mw-238c-0425-GW, FWRQLmw-007c-0441-GW, and FWGRQLmw-008c-0442-GW.

Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

MRL check on 4/24/07 @ 1045 had Heptachlor epoxide %R at 155%. There were no detected results; therefore no qualifications were made.

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

CCVs

- 4/19 @ 2135 front: heptachlor %D = 22.4%, gamma-BHC %D = 16.0%, 4,4'-DDD %D = 17.4%, Endrin Ketone %D = 17.7%; avg %D = 10.2%; no qualifications were made.
- 4/20 @ 2135 back: heptachlor %D = 20.3%, Endrin Ketone %D = 16.1%; avg %D = 8.8%; no qualifications were made.
- 4/23 @ 1117 back: 4 of the individual peaks %D were greater than 15%. The average %D across all 5 peaks was 16.4%. All results were non-detect with no individual peak %D greater than 30%; therefore no qualifications were made.
- 4/23 @ 1759 front: gamma-BHC (12.3%), heptachlor (24.6%), 4,4'-DDD (19.1%), recovered greater than 15% D. The average %D was 8.7%; no qualifications were made.
- 4/23 @ 2013 front: gamma-BHC (12.3%), heptachlor (21.2%), 4,4'-DDD (17.1%), recovered greater than 15% D. The average %D was 9.9%; no qualifications were made.
- 4/24 @ 1022 front – gamma chlordane (47.2%) and 4,4'-DDD (17.3%) recovered greater than 15%D. The average %D was 8.4%; no qualifications were made for 4,4'-DDD. There were no qualifications made for gamma-chlordane since there were no detected results.
- 4/24 @ 1022 back – Heptachlor epoxide (25.3%) recovered greater than 15%D. The average %D was 3.7%; no qualifications were made.
- 4/24 @ 1451 front – all analytes recovered greater than 15%D. Heptachlor, 4,4'-DDD, 4,4'-DDT, Endrin aldehyde, Methoxychlor, and Endrin ketone were greater than 30%D. The average %D was greater than 20%. The blank and LCS were the only affected samples. No qualifications were made.
- 4/24 @ 1451 back– all analytes recovered greater than 15%D. The average %D was 19.1%. The blank and LCS were the only affected samples. No qualifications were made.
- 5/1 @ 1411 front: heptachlor %D = 27.3% and 4,4'-DDD %D = 22.3%; avg %D = 8.75%; no qualifications were made.
- 5/1 @ 1648 front - 2 of the individual peaks %D were greater than 15%. The average %D across all 5 peaks was 15.1%. All results were non-detect with no individual peak %D greater than 30%; therefore no qualifications were made.
- 5/1 @ 1648 back - 4 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 20.5%. All results were non-detect with no individual peak %D greater than 30%; therefore no qualifications were made.
- 5/1 @ 0858 back – 4,4'-DDT (15.5%) recovered greater than 15%D. The average %D was 9.3%; no qualifications were made.
- 5/1 @ 1433 back – 4,4'-DDT (15.5%) and Endrin ketone (16.9%) recovered greater than 15%D. The average %D was 7.7%; no qualifications were made.

Endosulfan I and Endosulfan II recovered below control limits in the LCS. All results were qualified "UJ/J".

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

One sample was batched on 4/20. The first batch had the site specific MS/MSD extracted. No qualifications were made. Sample FWGRQLmw-007c-0441-GW was the parent. Endosulfan I recovered below control limits in the MS and MSD. All results were qualified "UJ/J".

Samples FWGLL1mw-078c-0419-GW, FWGRQLmw-007c-0441-GW, FWGRQLmw-008c-0442-GW, FWGRQLmw-009c-0443-GW, and FWGRQLmw-DUP1-0447-GW had DCB and/or TCMX recover below control limits. All associated results were qualified "J/UJ".

Sample FWGLL3mw-238c-0425-GW had surrogate DCB diluted out resulting in a "0%" recovery. A lesser-diluted run was not provided to determine if the surrogates recovered within control limits. The results were qualified "R".

Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW. Beta-BHC had a RPD of 200%. The parent sample was detected and qualified "J".

PCBs- 8082

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation
- Initial Calibration criteria
- Retention time criteria
- CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- Field Duplicate RPD criteria
- MS/MSD percent recoveries and RPD values criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Second Column confirmation criteria

Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Aroclor-1016 ICV peak average was 9.3%. Aroclor-1260 ICV peak average was 9.4%. There were no detected results; therefore no qualifications were made,

All aroclor-1016 and aroclor-1260 peaks recovered above control limits in the closing MRL. No qualifications were made since all associated results were non-detect.

Surrogate DCB recovered below control limits in samples FWGBKGmw-019c-0416-GW and FWGCBPmw-006c-0435-GW. All associated results were qualified "J/UJ"

Explosives- 8330

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation
- Initial Calibration Criteria
- Retention time criteria
- MRL level verification criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation

Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Nitroglycerin and PETN were not spiked into the MRL checks during analysis since the analytes were added to the target compound list after analysis. No qualifications were made since an evaluation could not be made

Sample FWGLL3mw-238c-0425-GW had significant concentrations of 4-amino-2,6-dinitrotoluene which interfered with the surrogate recovery. The confirmation did have acceptable recovery but could not be reported due to the laboratory's SOP. The surrogate had a "0%" recovery. Detected results were qualified "J" and non-detect results were qualified "R".

Nitroguanidine- 8330M

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation
- Initial Calibration criteria
- Retention time criteria
- MRL level verification criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination

- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria
- Second Column confirmation criteria

Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

Metals - 6010B

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- Serial Dilution criteria
- MS/MSD percent recoveries and RPD values criteria
- Post Digestion spike criteria
- MDL and MRL Level Verification criteria
- Field Duplicate RPD criteria

Blanks:

- ICB:
  - Potassium was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.

- CCB:
  - Potassium CCBs were detected between 149 and 165 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.
  - CCB8 had Cobalt detected at 1.4; RL is 5.0; Nickel at 1.7; RL is 10; Silver at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made.
  - Selenium CCB2 and CCB6 were detected at -3.7, RL is 5.0. Sodium CCB4 was detected at -650; RL is 1000. No qualifications were made since the LCG doesn't specifically address negative blank values.

Method Blank:

- Manganese was detected at 1.0; RL is 10ppb. Potassium was detected at 149 ppb; RL is 1000ppb. There were no qualifications made for potassium or manganese since the MB values were less than ½ the MRL.

- Equipment Rinse:
  - FWGEQUIPRinse1-0456-GW had Potassium detected at 143; RL is 1000 ppb. Potassium contamination was less than ½ MRL; therefore no qualifications were made.

Iron and Manganese parent concentrations were greater than 4 times the spike. No qualifications were made.

Metals - 6020

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Internal standard and tune criteria
- Initial Calibration criteria
- ICV and CCV criteria
- MDL Level Verification criteria
- ICBs and CCBs were free from contamination
- Interference Check Sample (ICSAB) criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries criteria
- Post Digestion Spike criteria
- Serial Dilution criteria
- Field Duplicate RPD criteria

The closing MRL check had antimony and iron recover below control limits. All results were qualified "J/UJ".

Zinc was detected in the method blank at 5.6ppb; RL is 10 ppb. All zinc results were qualified "B".

FWGEQUIPRinse1-0456-GW had Zinc detected at 5.3ppb; RL is 10 ppb. All zinc samples EXCEPT FWGRQLmw-007c-0441-GF were qualified "B".

Mercury - 7470A

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- ICB and CCBs were free from contamination
- The method blank was free from contamination

- Equipment Rinse was free from contamination
- MDL and MRL Level Verification criteria
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field Duplicate RPD criteria

There were no QC exceptions noted.

Nitrocellulose - 353.2

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Sample preparation criteria
- Initial Calibration criteria
- ICV and CCV criteria
- The method blank was free from contamination
- Equipment Rinse was free from contamination
- MRL Level Verification criteria
- ICB and CCBs were free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- Field duplicate RPD criteria
- Nitrocellulose assay criteria

Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".

Sample FWGRQLmw-007c-0441-GW was the parent MS/MSD sample. The MSD recovered below control limits. All associated results were qualified "J/UJ".

Cyanide- 9012

The following QC criteria were reviewed with acceptable results:

- Holding times, preservation, sample handling
- Initial Calibration criteria
- ICV and CCV criteria
- MRL Level Verification criteria
- Equipment Rinse was free from contamination
- LCS/LCSD percent recoveries and RPD value criteria
- MS/MSD percent recoveries and RPD values criteria
- Field duplicate RPD criteria

Data Verification Summary

Site: Ravenna Army Ammunition Plant
Sampling Event: April 2007
STL Sample Delivery Group: A7D170102 **Date:** November 14, 2007
COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472 **Revision:** 2

MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.

The method blank from 4/20/07 detected cyanide at 0.0069 mg/L. There were no detected results therefore no qualifications were made.

Data Validator: Heather Mellus
Date: 11/15/07

Senior Data Validator: Erik C. Corbin
Date: 11/15/07

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8260B
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?		✓		COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?		✓		9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07 and analyzed on 4/24/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3.3
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-3
7. Was the GC/MS system tuned with bromofluorobenzene (BFB)?	✓				LCG Table 1
8. Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	✓			4/13/07 @ 1424, 4/24/07 @ 0818	SW846 8260B 7.3.1
9. Did the initial calibration curve consist of 5 concentration levels?	✓			4/13/07 Instrument A3UX11 stds – 5, 10, 25, 50, 100, 200 ng on column	LCG Table 1 R
10. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviations (%RSD) ≤ 30%?	✓				LCG Table 1 R
11. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓				LCG Table 1
12. Were all other target analytes ≤ 15% RSD? OR Was the average RSD ≤ 15%? Was a different calibration option used?	✓			Acetone used a weighted linear curve.	LCG Table 1 15% <RSD< 20% = J/UJ
13. If a linear regression curve was used, was the correlation coefficient r≥0.99?	✓			All correlation coefficients were ≥0.99. No qualifications were made since the correlation coefficients were acceptable.	LCG Table 1 R<0.99=-J/R
14. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 1 R

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours?	✓			4/24/07 @ 1139 and 1958	LCG Table 1
16. Were the QC/MRL recoveries 70-130%?		✓		Opening MRL: Acetone %R = 133.2%, Methylene Chloride %R = 134.7%, Carbon Tetrachloride %R = 59.9%, cis-1,3-Dichloropropene %R = 58.0%, trans-1,3-Dichloropropene %R = 45.4%, Dibromochloromethane %R = 66.9%, 1,2-Dibromoethane %R = 68.2%, and Bromoform %R = 61.0%. The closing MRL had Methylene Chloride %R = 130.4%, Carbon Tetrachloride %R = 58.1%, Bromodichloromethane %R = 68.3%, cis-1,3-dichloropropene %R = 60.2%, trans-1,3-dichloropropene %R = 46.6%, Dibromochloromethane %R = 57.5%, and Bromoform %R = 58.4%. There were no detected results for Acetone; therefore no qualifications were made. Samples FWGTeam1-Trip, FWGTeam2-Trip, and FWGTeam3-Trip Methylene Chloride results were qualified "J". dibromochloromethane, and bromoform: all results were non-detect and were qualified "R" based on the ending MRL. cis-1,3-Dichloropropene: all results were non-detect and were qualified "R" based on the opening MRL. Carbon Tetrachloride and Trans-1,3-Dichloropropene: all results were non-detect and were qualified "R". All Bromodichloromethane and 1,2-Dibromomethane results were qualified "J/UJ".	LCG Table 1 >130%=J; 70-60%=J/UJ; <60%=J/R
17. Was a second source verification (ICV) analyzed after the ICAL? Were results 80-120%?		✓		4/13/07 @ 1730; Bromomethane %R = 77.3%; all results were qualified "J/UJ"	LCG Table 1 >120%=J; 60-80%=J/UJ; <60%=J/R
18. Was a CCV run every 12 hours?	✓			4/24/07 @ 0859	LCG Table 1
19. Did the CCCs have a %Difference < 20%?	✓				LCG Table 1

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8260B
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
20. Were the minimum RFs for the SPCCs within limits?	✓				LCG Table 1
21. Was the average of all target analytes ≤ 20%D with a maximum D for each target analyte ≤30%?		✓		Carbon Tetrachloride %D =-20.7%, cis-1,3-Dichloropropene %D = -30.4%, trans-1,3-Dichloropropene %D = -36.1%; No qualifications were made for carbon tetrachloride since the average %D = 9.4%. All associated results for cis and trans-1,3-Dichloropropene were not detected. The result were qualified "R".	LCG Table 1 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J
22. Were the internal standards added to every sample?	✓				LCG Table 1
23. Were the retention times for all IS compounds within ±30 seconds from the RT of the mid-point standard in the ICAL?	✓				LCG Table 1 R
24. Was the EICP area between -50% and +100% of the ICAL mid-point standard?	✓				LCG Table 1 R
25. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 1
26. Were target analytes detected in the method blank at >1/2 the MRL?		✓		Methylene Chloride was detected at 0.4; the RL was 2.0. No qualifications were made since the contamination was less than ½ the RL.	LCG Table 1 <5/10X =B
27. Was a field blank (equipment and/or trip) collected and analyzed?	✓			The equipment rinse (FWGEQUIPRinse1-0456-GW) was submitted and analyzed in SDG A7D180106. The results were cross-applied to this SDG.	
28. Were target analytes detected in the field blank analyses >1/2 the MRL?	✓			FWGEQUIPRinse1-0456-GW detected Methylene Chloride at 0.21 ug/L and Toluene at 0.76 ugL. There were no qualifications made for methylene chloride because the contamination was less than ½ the MRL (10 ppb). There were no detected results for Toluene; therefore no qualifications were made. FWGTEAM1-TRIP detected Methylene chloride at 0.40 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb). FWGTEAM2-TRIP detected Methylene chloride at 0.46 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb). FWGTEAM3-TRIP detected Methylene chloride at 0.40 ppb. No qualifications were made based on this trip blank since the results were less than ½ the MRLs (2.0 and 10 ppb).	<5/10X =B

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8260B
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
29. Was a field duplicate analyzed? Were the RPDs within ±30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2 RPD >30=J
30. Was a LCS prepared and analyzed with each batch?	✓			An LCSD was analyzed and reported; Bromochloromethane was not spiked in the LCS/LCSD. No evaluation could be made; therefore no qualifications were made.	LCG Table 1
31. Were the LCS recoveries within limits specified in Appendix C of the LCG?		✓		*Cis-1,3-dichloropropene and trans-1,3-dichloropropene recovered below control limits in the LCS and LCSD. Carbon tetrachloride recovered below control limits in the LCSD. All results were qualified "UJ"*	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
32. Was a MS/MSD prepared with each batch?	✓				LCG Table 1
33. Was the MS/MSD parent sample a Ravenna sample?	✓			*Sample FWGRQLmw-007c-0441-GW was the parent. Bromochloromethane was not spiked in the MS/MSD. No evaluation could be made; therefore no qualifications were made.*	
34. Were MS/MSD recoveries 70-130% and RPD values ≤20%?		✓		*Bromodichloromethane, bromoform, carbon tetrachloride, cis-1,3-dichloropropene, dibromochloromethane, and trans-1,3-dichloropropene recovered below control limits in the MS and MSD. All results were qualified "J/UJ" in the parent sample.*	LCG Table 1 Pj
35. Were surrogate recoveries 50-150%?	✓				LCG Table 1 >150%=J; 10% -50%=J/UJ; <10%=J/R
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
38. Were lab comments included in report? If yes, summarize contents.	✓			*Comments in case narrative on the*	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 1 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8260B
Revision: 1

Additional Comments:

Table1- CCCs

Analyte
1,1-Dichloroethene
Chloroform
1,2-Dichloropropane
Toluene
Ethylbenzene
Vinyl chloride

Table 2- SPCCs

Analyte	Minimum RF
Chloromethane	0.10
1,1-Dichlorethane	0.10
Bromoform	0.10
Chlorobenzene	0.30
1,1,2,2-Tetrachloroethane	0.30

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8270C (including PAH's)
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".	QAPP Table 4-2
3. Were samples extracted using the correct preparation, clean-up methods?	✓				QAPP Table 4-2
4. Were samples extracted within required holding times (7 days - water)?	✓			Samples collected 4/16/07; extracted on 4/17/07.	QAPP Table 4-2 J/UJ/R
5. Were samples analyzed within required holding times (40 days after extraction)?	✓			Samples analyzed on 4/20/07 and 5/4/07.	QAPP Table 4-2 J/UJ/R
6. Were sample storage requirements met?	✓				QAPP Table 4-2
7. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-4 and 3-6
8. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-4 and 3-6
9. Was the GC/MS system tuned with decafluorotriphenylphosphine (DFTPP)?	✓				LCG Table 2
10. Were the criteria met during each 12 hour shift?	✓			4/19/07 @ 1254, 4/20/07 @ 1035, 5/4/07 @ 1527	LCG Table 2
11. Did the initial calibration curve consist of 5 concentration levels, with the low standard near but above the MDL?	✓			Instrument A4HP9, ICAL 4/19/07 and 5/4/07 stds = 0.05, 0.25, 0.50, 1.0, 2.5, 5.0, 7.5, 10.0, 12.5 ng on column	LCG Table 2 R
12. Did the Calibration Check Compounds (CCCs) (see Table 1 below) relative standard deviation (%RSD) ≤ 30%?	✓			4/19/07 ICAL: 2-Nitrophenol, 4-chloro-3-methylphenol, 2,4,6-Trichlorophenol, Pentachlorophenol, Di-n-octylphthalate, and Nitrosodipheylamine used quadratic curvers. RFs were acceptable. 5/4/07 ICAL: Pentachlorophenol and Di-n-octylphthalate used quadratic curvers. RFs were acceptable.	LCG Table 2 R
13. Were the minimum response factors (RFs) for the System Performance Check Compounds (SPCCs) (see Table 2 below) met?	✓			4/19/07 ICAL: 2,4-Dinitrophenol, Hexachlorocyclopentadiene, and 4-Nitrophenol used quadratic curves. 5/4/07 ICAL: 2,4-Dinitrophenol and 4-Nitrophenol used quadratic curves.	LCG Table 2 R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8270C (including PAH's)
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Was each target analyte <15 % RSD, or was the average RSD <15%? If a different calibration option was used, were the r^{2}'s ≥0.99?	✓			4/19/07 ICAL: Benzoic acid, 2,4,5-Trichlorophenol,2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, Di-ethyl phthalate, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, 3,3'-dichlorobeznidine, bis(2-ehtylhexyl)phthalate, Benzo(b)fluoranthene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, used quadratic curves. All r^{2}'s were greater than 0.99. No qualifications made since the coefficient of determinations were within criteria. 5/4/07 ICAL: Benzoic Acid, 4-Nitroaniline, and 4,6-Dinitro-2-methylphenol used quadratic curves. All r^{2}'s were greater than 0.99. No qualifications made since the coefficient of determinations were within criteria.	LCG Table 2 r<0.99=-J/R 15% <RSD< 30% = J/UJ
15. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 2 R
16. Was a MRL Level Verification run at the beginning and end of the sequence or every 12 hours? Were results 70-130%?	✓			4/20/07 @ 1113 and 2154; 5/4/07 @ 1906 and 2144	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
17. Was a second source (ICV) verification analyzed after the ICAL? Were results 70-130%?	✓			4/19/07 @ 1603; 5/4/07 @ 1846	LCG Table 2 >130%=J; 50-70%=J/UJ; <50%=J/R
18. Was a CCV analyzed every 12 hours?	✓			4/20/07 @ 1054,	LCG Table 2
19. Was the percent difference (% D) for the CCCs ≤ 20%? (see Table 1) (% drift if regression fit model used)	✓				LCG Table 2
20. Were the minimum RFs for the SPCCs met? (see Table 2)	✓				LCG Table 2
21. Was the %Difference or %Drift ≤20% for all target analytes? OR was the average %D ≤20% with no individual analyte ≥30%D?	✓				LCG Table 2 Avg D>20% =R; Avg %D<20% =J D>30% (neg) = J/R D>30% (pos) = J
22. Were the internal standards added to every sample?	✓				LCG Table 2

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Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8270C (including PAH's)
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
23. Did the retention times for all IS compounds vary by no more than 30 seconds from the RT of the mid-point ICAL std?	✓				LCG Table 2 R
24. Did the areas of all IS compounds vary by no more than -50% to +100% from the ICAL EICP area?	✓				LCG Table 2 R
25. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 2
25. Were all target analytes in the method blank <1/2 the MRL?		✓		Bis(2-ethylhexyl)phthalate was detected at 1.9; RL is 10 ppb. Diethyl phthalate was detected at 0.87; RL is 1.0 ppb. There were no qualifications made for bis(2-ethylhexyl)phthalate since the MB result was less than ½ the MRL. Diethyl phthalate was qualified "B" in samples FWGLL1mw-078c-0419-GW, FWGLL1mw-080c-0420-GW, FWGLL3mw-238c-0425-GW, FWGRQL-007c-0441-GW, FWGRQL-008c-0442-GW, and FWGRQL-009c-0443-GW.	LCG Table 2 <5/10x blank = B
26. Was a field blank collected and analyzed?	✓			The equipment rinse (FWGEQUIPRinse1-0456-GW) was submitted and analyzed in SDG A7D180106. The results were cross-applied to this SDG.	
27. Were all target analytes in the field blank analysis <1/2 the MRL?	✓				<5/10x blank = B
28. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW. Bis(2-ethylhexyl)phthalate RPD was 40%. Both results were qualified "J".	QAPP Table 3-2 RPD >30=J
29. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 2
30. Were the LCS recoveries within limits specified in LCG Appendix C?		✓		Hexachlorocyclopentadiene recovered at 20%. All results were qualified "R".	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
31. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 2
32. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
33. Were MS/MSD recoveries 45-135% and RPD value ≤40%?		✓		3,3'-dichlorobenzidine, Hexachlorobutadiene, Hexachloroethane and hexachlorocyclopentadiene recovered below control limits in the MS. 3,3'-dichlorobenzidine, Hexachloroethane and hexachlorocyclopentadiene recovered below control limits in the MSD. 3,3'-Dichlorobenzidine,	LCG Table 2 Pj

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
				hexachlorobutadiene, and hexachloroethane had no other QC outliers. Therefore no qualifications were made. Hexachlorocyclopentadiene results were qualified "J/UJ" in the parent sample.	
34. Were surrogates spiked into all calibration standards, blanks, QC samples as well as field samples?	✓				
35. Were surrogate recoveries within 50-150%?	✓				LCG Table 2 >150%=J; 10% -50%=J/UJ; <10%=J/R
36. Were reported sample concentrations within calibration range?	✓				
37. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
38. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 2 and Attachment A "Data Validation Guidelines:

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Additional Comments:

Table 1: CCCs

Base / Neutral Compunds	Acid Compounds
Acenaphthalene	4-Chloro-3-methylphenol
1,4-Dichlorobenzene	2,4-Dichlorophenol

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Hexachlorobutadiene	2-Nitrophenol
N-Nitrosodiphenylamine	Phenol
Di-n-octylphthalate	Pentachlorophenol
Fluoroanthene	2,4,6-Trichlorophenol
Benzo(a)pyrene	

(All analytes if CCCs not included in standard)

Table 2: SPCCs

N-Nitroso-di-n-propylamine	0.050
Hexachlorocyclopentadiene	0.050
2,4-Dinitrophenol	0.050
4-Nitrophenol	0.050

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Sample Event: April 2007
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SDG: A7D170102 R0
Analysis: SW846 8081
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, extracted on 4/17/07 and 4/20/07, and analyzed on 4/20/07, 4/23/07, and 5/1/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?		✓		The RLs were elevated due to matrix interference for samples FWGLL1mw-080c-0420-GW, FWGLL3mw-238c-0425-GW, FWRQLmw-007c-0441-GW, and FWGRQLmw-008c-0442-GW.	QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Was a DDT standard analyzed every 12 hours? Was the DDT %breakdown < 15%?	✓			4/12/07 @ 1046, 4/19/07 @ 2113 and 4/20/07 @ 0653; 4/23/07 @ 1737 and 4/24 @ 0340, 1428; 5/1/07 @ 0751 and 1732	LCG Table 4 >15%=J/R
8. Was an endrin standard analyzed every 12 hours? Was endrin %breakdown <15%?	✓			4/12/07 @ 1046, 4/19/07 @ 2113 and 4/20/07 @ 0653; 4/23/07 @ 1737 and 4/24 @ 0340, 1428; 5/1/07 @ 0751 and 1732	LCG Table 4 >15%=J/R
9. Does the initial calibration curve consist of 5 concentration levels?	✓			Instrument a2hp9; ICAL on 4/12/07; Stds = 0.005, 0.01, 0.025, 0.05, 0.1, 0.20	LCG Table 4 R
10. Were the %RSDs for each analyte ≤ 20%? OR was the average %RSD ≤ 20% with the r^2 >0.990?	✓				LCG Table 4 RSD>20% or r<0.99=J/R
11. Was a blank run prior to the initial calibration?	✓				
12. Was a MDL Level Verification performed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 4 R
13. Was a MRL Verification performed at the beginning and end of the sequence or every 12 hours with results 70-130%?		✓		4/19 @ 2157 and 4/20/07 @ 0738; 4/23/07 @ 1822, 2036, 4/24 @ 1045, 1513; 5/1/07 @ 0921 and 1433; Heptachlor epoxide %R was 155% in 4/24 @1045 check. There were no detected results; therefore no qualifications were made.	LCG Table 4 >130%=J; 65-70%%=J/UJ; <65%=J/R

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Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8081
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Was a second source (ICV) verification analyzed after the ICAL? Were results 85-115%?	✓			4/12/07 @ 2112	LCG Table 4 >115%=J; 80-85%=J/UJ; <80%=J/R
15. Was a CCV run every 12 hours?	✓			4/19/07 @ 1346 (tox), 2135, 4/20/07 @ 0524 (tox), and 0716; 4/23/07 @ 1117 (tox), 1759, 2013, 4/24 @ 1022, 1451, 1941 (tox); 5/1/07 @ 0858, 0943 (tox), 1411, 1648 (tox)	LCG Table 4
16. Was the %D for all target analytes ≤5%? OR was the average %D ≤ 15% with no individual analyte >30%?		✓		4/19 @ 2135 front: heptachlor %D = 22.4%, gamma-BHC %D = 16.0%, 4,4'-DDD %D = 17.4%, Endrin Ketone %D = 17.7%; avg %D = 10.2%; no qualifications were made. 4/20 @ 2135 back: heptachlor %D = 20.3%, Endrin Ketone %D = 16.1%; avg %D = 8.8%; no qualifications were made. 4/23 @ 1117 back: 4 of the individual peaks %D were greater than 15%. The average %D across all 5 peaks was 16.4%. All results were non-detect with no individual peak %D greater than 30%; therefore no qualifications were made. 4/23 @ 1759 front: gamma-BHC (12.3%), heptachlor (24.6%), 4,4'-DDD (19.1%), recovered greater than 15% D. The average %D was 8.7%; no qualifications were made. 4/23 @ 2013 front: gamma-BHC (12.3%), heptachlor (21.2%), 4,4'-DDD (17.1%), recovered greater than 15% D. The average %D was 9.9%; no qualifications were made. 4/24 @ 1022 front – gamma chlordane (47.2%) and 4,4'-DDD (17.3%) recovered greater than 15%D. The average %D was 8.4%; no qualifications were made for 4,4'-DDD. There were no qualifications made for gamma-chlordane since there were no detected results. 4/24 @ 1022 back – Heptachlor epoxide (25.3%) recovered greater than 15%D. The average %D was 3.7%; no qualifications were made. 4/24 @ 1451 front – all analytes recovered greater than 15%D. Heptachlor, 4,4'-DDD, 4,4'-DDT, Endrin aldehyde, Methoxychlor, and Endrin ketone were greater than 30%D. The average %D was greater than 20%. The blank and LCS were the only affected samples. No qualifications were made. 4/24 @ 1451 back– all analytes recovered greater than 15%D. The average %D	LCG Table 4 D>30% (neg) =J/R D>30% (pos) = J

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Analysis: SW846 8081
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
				was 19.1%. The blank and LCS were the only affected samples. No qualifications were made. 5/1 @ 1411 front: heptachlor %D = 27.3% and 4,4'-DDD %D = 22.3%; avg %D = 8.75%; no qualifications were made. 5/1 @ 1648 front - 2 of the individual peaks %D were greater than 15%. The average %D across all 5 peaks was 15.1%. All results were non-detect with no individual peak %D greater than 30%; therefore no qualifications were made. 5/1 @ 1648 back - 4 of the individual peaks %D were less than 15%. The average %D across all 5 peaks was 20.5%. All results were non-detect with no individual peak %D greater than 30%; therefore no qualifications were made. 5/1 @ 0858 back – 4,4'-DDT (15.5%) recovered greater than 15%D. The average %D was 9.3%; no qualifications were made. 5/1 @ 1433 back – 4,4'-DDT (15.5%) and Endrin ketone (16.9%) recovered greater than 15%D. The average %D was 7.7%; no qualifications were made.	
17. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 4
18. Were target analytes < ½ the MRL?	✓				LCG Table 4 <5x=B
19. Was an equipment blank collected and analyzed?	✓			The equipment rinse (FWGEQUIPRinse1-0456-GW) was submitted and analyzed in SDG A7D180106. The results were cross-applied to this SDG.	
20. Were target analytes in the field blank analyses (equipment) <1/2 the MRL?	✓				<5x =U
21. Was an LCS prepared and analyzed with each batch?	✓			Only a LCS is required	LCG Table 4
22. Were the LCS recoveries within limits specified in LCG Appendix C?		✓		Endosulfan I and Endosulfan II recovered below control limits in the LCS. All results were qualified "UJ/J".	LCG Appendix C >UL=J; 30%-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?		✓		One sample was batched on 4/20. The first batch had the site specific MS/MSD extracted. No qualifications were made.	LCG Table 4
24. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	

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SDG: A7D170102 R0
Analysis: SW846 8081
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
25. Were MS/MSD recoveries 40-140% and RPD ≤20%?		✓		Endosulfan I recovered below control limits in the MS and MSD. All results were qualified "UJ/J".	QAPP Table 3-2 Pj
26. Were both DCB and TCMX used for surrogates?	✓				
27. Were surrogate recoveries 50-150%?		✓		Samples FWGLL1mw-078c-0419-GW, FWGRQLmw-007c-0441-GW, FWGRQLmw-008c-0442-GW, FWGRQLmw-009c-0443-GW, and FWGRQLmw-DUP1-0447-GW had DCB and/or TCMX recover below control limits. All associated results were qualified "J/UJ". FWGLL3mw-238c-0425-GW surrogate DCB was diluted out resulting in a "0%" recovery. A lesser-diluted run was not provided to determine if the surrogates recovered within control limits. The results were qualified "R".	LCG Table 4 >150%=J; 10% -50%=J/UJ; <10%=J/R
28. Was a field duplicate analyzed? Were the RPDs ≤30%?		✓		Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW. Beta-BHC had a RPD of 200%. The parent sample was detected and qualified "J".	QAPP Table 3-2 RPD >30=J
29. Were all positive results verified by a second column confirmation? Were the RPD's ≤ 40?					LCG Table 4 >40 RPD=J
30. Were reported sample concentrations within calibration range?	✓				
31. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
32. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 4 and Attachment A "Data Validation Guidelines:

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Additional Comments:

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Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8082
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, extracted on 4/17/07, and analyzed on 4/21/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-5
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-5
7. Does the initial calibration curve consist of 5 concentration levels of Aroclors 1016 and 1260?	✓			Instrument a2hp4; ICAL on 4/19/07 Stds = 0.05, 0.1, 0.2, 0.5, 1.0, 2.0	LCG Table 3 R
8. Was the % RSD ≤ 20%? Were the r^2s >0.990?	✓				LCG Table 3 RSD>20% or r<0.99= J/R
9. Was a MDL Level Verification performed once per quarter? Were all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 3 R
10. Was a MRL Level Verification performed at the beginning and end of the sequence or every 12 hours? Were the results 70-130%		✓		4/21/07 @ 0115, 0515; All aroclor-1016 and aroclor-1260 peaks recovered above control limits in the closing MRL. No qualifications were made since all associated results were non-detect.	LCG Table 3 >130%=J; 65-70%=J/UJ; <65%=J/R
11. Was a second source (ICV) verification performed after the ICAL? Were results 85-115%?	✓			4/20/07 @ 0131; Aroclor-1016 peak average was 9.3%. Aroclor-1260 peak average was 9.4%. There were no detected results; therefore no qualifications were made,	LCG Table 3 >115%=J; 80-85%=J/UJ; <80%=J/R
12. Were single standards of the other five Aroclors run to aid in pattern recognition and to determine a single point calibration factor?	✓				Method 8082 Section 5.6.2

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Project Number: 030240.0006.05
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Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8082
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
13. Was a CCV run every 12 hours?	✓			4/21/07 @ 0058, 0458	LCG Table 3
14. Was the % D ≤ 15 % for each analyte or the average %D across all analytes ≤ 15% with a maximum %D for each target analyte ≤30%?	✓				LCG Table 3 D>30% (neg) =J/R D>30% (pos) =J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 5
16. Were target analytes <1/2 the MRL?	✓				LCG Table 5 <5x = B
17. Was an equipment blank collected and analyzed?	✓			The equipment rinse (FWGEQUIPRinse1-0456-GW) was submitted and analyzed in SDG A7D180106. The results were cross-applied to this SDG.	
18. Were target analytes in the field blank analyses (equipment) <1/2 the MRL?	✓				<5x = B
19. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 3
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; LL-30%=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 3
22. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
24. Was the surrogate spiked into all samples?	✓				
25. Were surrogate recoveries 50-150%?		✓		Surrogate DCB recovered below control limits in samples FWGLL1mw-078c-0419-GW, FWGRQLmw-007c-0441-GW, FWGRQLmw-008c-0442-GW, FWGRQLmw-009c-0443-GW, and FWGRQLmw-DUP1-0447-GW. All associated results were qualified "J/UJ"	LCG Table 3 >150%=J; 10-50%=J/UJ; <10%=R
26. Was a field duplicate analyzed? Were the RPDs <30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2 RPD >30=J

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SDG: A7D170102 R0
Analysis: SW846 8082
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
27. Were all positive results verified by a second dissimilar column confirmation? Was the RPD ≤ 40?	✓				LCG Table 3 RPD>40=J
28. Were reported sample concentrations within calibration range?	✓				
29. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
30. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 3 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 6010B/6020
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project.	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, digested on 4/18/07, ICP analyzed on 4/23/07, and ICP-MS analyzed on 4/25/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3-8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 3 standards and a blank?	✓				LCG Table 7 R
8. Was the ICAL performed daily?	✓				LCG Table 7 R
9. Was the correlation coefficient r≥0.995 for each analyte?	✓				LCG Table 7 R<0.995=J/R
10. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			3/5/07	LCG Table 7 R
11. Was a MRL Level Verification performed at the beginning of the daily sequence? Were results 70-130%?		✓		The closing MRL check had antimony and iron recover below control limits. All results were qualified "J/UJ".	LCG Table 7 >130%=J; 65-70%=J/UJ; <65%=J/R
12. Was the ICV (second source verification) analyzed after the ICAL?	✓				LCG Table 7
13. Were all analytes within 90-110% in the ICV?	✓				LCG Table 7 J>110%=J; 90-85%=J/UJ; <85%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓			Potassium ICB was detected at 148 ppb; RL is 1000 ppb. The contamination was less than ½ the RL; therefore no qualifications were made.	LCG Table 7 < 5x = U
15. Were CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 7

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Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 6010B/6020
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
16. Were CCV results within 90 to 110%?	✓				LCG Table 7 >110%=J 90-85%=J/UJ; <85%=J/R
17. Were the CCBs run every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?		✓		Potassium CCBs were detected between 149 and 165 ppb; RL is 1000 ppb. CCB8 had Cobalt detected at 1.4; RL is 5.0; Nickel at 1.7; RL is 10; Silver at 1.2; RL is 5. The contamination was less than ½ the RL; therefore no qualifications were made. Selenium CCB2 and CCB6 were detected at -3.7, RL is 5.0. Sodium CCB4 was detected at -650; RL is 1000. No qualifications were made since the LCG doesn't specifically address negative blank values.	LCG Table 7 <5x = U
18. Was an Interelement Check Standard run at the beginning of the analytical sequence?	✓				LCG Table 7
19.Was the ICS recovery within 80 to 120% of true value for each element of interest?	✓				LCG Table 7 >120%=J; 50-79%=J/UJ; <50%=Pj/R
21. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 7
22. Were target analytes <1/2 the MRL in the method blank?		✓		Manganese was detected at 1.0; RL is 10ppb. Potassium was detected at 149 ppb; RL is 1000ppb. Zinc was detected at 5.6ppb; RL is 10 ppb. There were no qualifications made for potassium or manganese since the MB values were less than ½ the MRL. All zinc results were qualified "B".	LCG Table 7 <5x = B
23. Was a field blank collected and analyzed?	✓			The equipment rinse (FWGEQUIPRinse1-0456-GW) was submitted and analyzed in SDG A7D180106. The results were cross-applied to this SDG.	
24. Were target analytes reported in the field blank analyses <1/2 the MRL?		✓		FWGEQUIPRinse1-0456-GW had Potassium detected at 143; RL is 1000 ppb. Zinc was detected at 5.3ppb; RL is 10 ppb. Potassium contamination was less than ½ MRL; therefore no qualifications were made. All zinc samples EXCEPT FWGRQLmw-007c-0441-GF were qualified "B".	<5x=B
25. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 7
26. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; 60%-LL= J/UJ; <60%=J/R
27. Was a MS prepared with each batch?	✓				LCG Table 7

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 6010B/6020
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
28. Was the MS parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
29. Were the MS recoveries within 75-125%?	✓			Iron and Manganese parent concentrations were greater than 4 times the spike. No qualifications were made.	LCG Table 7 >125% = J 30% - 75% = J/UJ <30% = J/R
30. Was the lab sample duplicate RPD ≤20%?	✓			The sample duplicates RPDs were less than 20%.	LCG Table 7 >20% = J
31. Was a Post Digestion Spike analyzed as needed? Were results within 75-125%?			✓		LCG Table 7 >125%=J; 30-75%=J/UJ; <30%=R
32. Was a serial dilution performed as needed?	✓				
33. Was the 4 fold dilution within ± 10% of the original result?	✓				LCG Table 7 >10%=J
34. Was a field duplicate analyzed? Were the RPDs ± 30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2 >30% = J
35. Were sample concentrations within calibration range?	✓				
36. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
37. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 7 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 7470A
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project.	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, digested on 4/18/07, analyzed on 4/19/07 and 4/20/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3.8
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-8
7. Did the initial calibration curve range include 5 standards and a blank?	✓				LCG Table 9 R
8. Was the correlation coefficient ≥ 0.995 for Hg?	✓				LCG Table 9 R<0.995=J/R
9. Was a MDL Level Verification performed once per quarter with all target analytes detected?	✓			*3/8/07*	LCG Table 9 R
10. Was a MRL Level Verification performed at the beginning of every daily analytical sequence with 70-130%?	✓				LCG Table 9 >130%=J; 70-65%=J/UJ; <65%=J/R
11. Was the ICV analyzed after the ICAL but before samples with recoveries between 80-120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ; <75%=J/R
12. Was the ICB analyzed after the ICAL with results <1/2 the MRL?	✓				LCG Table 9 <5x = U
13. Were the CCVs analyzed every 10 samples and at the end of the analytical sequence?	✓				LCG Table 9
14. Were CCV results within 80 to 120%?	✓				LCG Table 9 >120%=J; 80-75%=J/UJ; <75%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 7470A
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
15. Were the CCBs analyzed every 10 samples and at the end of the analytical sequence? Were results <1/2 the MRL?	✓				LCG Table 9 <5x = U
16. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 9
17. Were target analytes detected in the method blank <1/2 the MRL?	✓				LCG Table 9 <5x = B
18. Was a field blank collected and analyzed?	✓			The equipment rinse (FWGEQUIPRinse1-0456-GW) was submitted and analyzed in SDG A7D180106. The results were cross-applied to this SDG.	
19. Were target analytes reported in the field blank analyses at <1/2 the MRL?	✓				<5x=B
20. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 9
21. Were the LCS recoveries within 80-120%?	✓				LCG Table 9 J>120%=J; 50-79%=J/UJ; <50%=R
22. Was a MS prepared with each batch?	✓				LCG Table 9
23. Was the MS parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
24. Were the MS recoveries within 80-120%?	✓				LCG Table 9 >125% = J 30% - 75% = J/UJ <30% = J/R
25. Was the Matrix Duplicate RPD ± 20%?	✓				LCG Table 9 >20% = J
26. Was a field duplicate analyzed? Were the RPDs ± 30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2
27. Were sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 7470A
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
29. Were lab comments included in report? If yes, summarize contents.	X			Comments on the MS/MSD	

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 9 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8330
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, extracted on 4/22/07, and analyzed on 4/24/07 and 4/25/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 5 R
8. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D <30%?	✓			4/24/07 @ 2115 and 4/25/07 @ 0419 and 1123; 4/25/07 @ 2223 and 4/26/07 @ 0102 LC-9 4/25 @ 2249 and 4/26 @ 0611; 5/29 @ 1830, 1933, 5/30 @ 0150, and 0253 Nitroglycerin and PETN were not spiked into the MRL checks during analysis since the analytes were added to the target compound list after analysis. No qualifications were made since an evaluation could not be made	LCG Table 5 >30%=J
9. Did the initial calibration curve consist of 5 concentration levels?	✓			LC10 - ICAL 3/24/07; LC9 – 4/23/07 (LC9 used for confirmation of detected results)	LCG Table 5 R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient $r^2 \geq 0.99$?	✓				LCG Table 5 R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%	✓			3/24/07 @ 2313; 4/24/07 @ 0959;	LCG Table 5 >115%=J 80-85%=J/UJ; <80%=J/R
13. Was a CCV run daily?	✓			4/24/07 @ 2022, 4/25/07 @ 0326 and 1030 4/25/07 @ 2130; and 4/26/07 @ 0009 LC9 – 4/25 @ 2146 and 4/26 @ 0508; 5/29 @ 1717 and 5/30 @ 0047	LCG Table 5

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8330
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
14. Were all target analytes %D ≤ 15% or average %D ≤ 15% with no individual result > 30%?	✓			LC9 – 4/25 @ 2146 had HMX above control limits. No qualifications were made since the results were reported from LC10.	LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Table 5
16. Were target analytes in the method blank <1/2 the MRL?	✓				LCG Table 5 <5x = B
17. Was a field blank (equipment) collected and analyzed?	✓			Sample FWGEQUIPRinse1-0456-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 1 was cross applied to the samples collected on 4/16.	
18. Were target analytes in the field blank analyses (equipment) <1/2 MRL?	✓				<5x = B
19. Was a LCS prepared and analyzed with each batch?	✓				LCG Table 5
20. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C >UL=J; <LL=J/UJ; <30%=J/R
21. Was a MS/MSD pair prepared with each batch?	✓				LCG Table 5
22. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
23. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2; Pj
24. Were surrogate recoveries within acceptance criteria of 50-150%?		✓		Sample FWGLL3mw-238c-0425-GW had significant concentrations of 4-amino-2,6-dinitrotoluene which interfered with the surrogate recovery. The confirmation did have acceptable recovery but could not be reported due to the laboratory's SOP. The surrogate had a "0%" recovery. Detected results were qualified "J" and non-detect results were qualified "R".	LCG Table 5 >150%=J; 10-50%=J/UJ; <10%=R
25. Were all positive results confirmed with a second column confirmation? Was the RPD% within ± 40%?					LCG Table 5 RPD>40%=J
26. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2 RPD >30=J

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8330
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qual/Criteria
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
29. Were lab comments included in report? If yes, summarize contents.	✓				

References:

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0009 Rev. 2.0- Determination of Nitroaromatic, Nitramines, and Specialty Explosives Based on Method 8330, SW-846.

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8330 Nitroguanidine
Revision: 1

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project. Samples FWGLL3mw-238c-0425-GW and FWGTeam2-Trip were qualified "J/UJ".	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, extracted on 4/24/07, and analyzed on 4/25/07.	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Tale 3-7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-7
7. Was a MDL Level Verification analyzed once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 5 R
8. Was a MRL Level verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D < 30%?	✓			4/25/07 @ 1820, 2228, and 4/26 @ 0236	LCG Table 5 >30%=J
9. Does the initial calibration curve consist of 5 concentration levels? (6 stds for quadratic curves)	✓			Instrument: Varian Star 1, ICAL 3/31/07 Stds: 20, 50, 100, 200, 500, 1000	STL SOP Section 10.2, LCG R
10. Were all target analytes %RSD ≤ 20%? OR was the average RSD ≤ 20%?	✓				LCG Table 5 >20% RSD=J/R
11. If a linear regression curve was used, was the correlation coefficient r≥0.995? (0.990 for Quadratic curve)	✓				STL SOP Section 10.4, LCG R<0.99=-J/R
12. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓			3/31/07 @ 1913	STL SOP Section 9.9 >115%=J; 80-85%=J/UJ; <80%=J/R
13. Was a CCV run at least every 10 samples and at the end of the analytical run?	✓			4/25/07 @ 1759, 2207, 4/26 @ 0215	STL SOP Section 10.9

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8330 Nitroguanidine
Revision: 1

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
14. Was the average %D (difference or drift) for all target analytes < 15%?	✓				LCG Table 5 D>30% (neg) = J/R D>30% (pos) = J
15. Was a method blank prepared and analyzed with each batch?	✓				LCG Attachment A Section 5.6
16. Were target analytes reported in the method blank <1/2 the MRL?	✓			Sample FWGEQUIPRinse1-0456-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 1 was cross applied to the samples collected on 4/16.	LCG Table 5 <5x = B
17. Was a field blank collected and analyzed?	✓				
18. Were target analytes reported in the field blank analyses < ½ the MRL?	✓				<5x=B
19. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2 RPD >30=J
20. Were all positive results confirmed with a second column confirmation? Was the RPD ≤ 40%?			✓		LCG Table 5 RPD>40%=J
21. Was an LCS prepared and analyzed with each batch?	✓				STL SOP Section 9.6
22. Were the LCS recoveries within limits specified in LCG Appendix C?	✓				LCG Appendix C <UL=J; 30-LL=J/UJ; <30%=J/R
23. Was a MS/MSD pair prepared with each batch?	✓				STL SOP Section 9.7
24. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
25. Were MS/MSD recoveries 40-140% and RPD ≤20%?	✓				QAPP Table 3-2 Pj
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 8330 Nitroguanidine
Revision: 1

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
29. Were lab comments included in report? If yes, summarize contents.	✓				

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 5 and Attachment A "Data Validation Guidelines.

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

STL SOP SAC-LC-0010 "Determination of Nitroguanidine Based on Method 8330, SW-846" April 2007, revision 2.0

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 Rev 0
Analysis: EPA 353.2- Nitrocellulose
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qualifier
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project.	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, extracted 4/25, hydrolyzed 4/25, and analyzed on 4/26/07	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified RLs achieved?	✓				QAPP Table 3.7
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3.7
7. Was Acetone used to extract the samples? Was the Acetone evaporated using Nitrogen?	✓				STL SOP Sections 11.4
8. Does the initial calibration curve consist of 5 concentration levels with the low standard near but > MDL?	✓			Instrument FS4; ICAL 4/26/07 Stds- 0, 0.05, 0.2, 0.4, 1, 2	STL SOP Section 10.2 R
9. Was the correlation coefficient >0.995?	✓				STL SOP Section 10.2
10. Was a MRL Level Verification run at the beginning and end of every daily sequence or every 12 hours? Was the %D <30%?	✓			4/26/07 @ 1505, 1529, 1555, 1607	LCG Table 5 >30%=J
11. Was a second source verification (ICV) analyzed after the ICAL? Were all analytes 90-110%?	✓			4/26/07 @ 1503	STL SOP Section 9.8, 10.3, LCG >110%=J; 90-85%=J/UJ; <85%=J/R
12. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				STL SOP Section 9.8, LCG < 5x = U
13. Was a CCV run every 10 samples and at the end of the analytical run?	✓			4/26/07 @ 1531, 1537, 1609	STL SOP Section 10.4
14. Was the ICV and CCV a mid-level standard from the initial calibration curve?	✓				STL SOP Section 10.3.1

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 Rev 0
Analysis: EPA 353.2- Nitrocellulose
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qualifier
15. Were all CCV calibration analytes within 90-110%?	✓				STL SOP Section 10.4, LCG >110%=J; 85-90%=J/UJ; <85%=J/R
16. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				STL SOP Section 10.4, LCG < 5x = U
17. Was the Nitrocellulose assay available and/or analyzed to be within 10%?	✓				STL SOP Section 7.14.1 R
18. Was a method blank prepared and analyzed with each batch?	✓				
19. Were target analytes reported in the method blank <1/2 the MRL?	✓			ADR checked section;	STL SOP Section 9.4, LCG <5x=B
20. Was a field blank collected and analyzed?	✓			Sample FWGEQUIPRinse1-0456-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 1 was cross applied to the samples collected on 4/16.	
21. Were target analytes reported in the field blank analyses <1/2 the MRL?	✓			ADR checked section;	<5x=B
22. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2 RPD > 30% = J
23. Was an LCS prepared and analyzed with each batch? Was the LCS recovery within lab's in-house limits%?	✓				>UL%=J; 50-LL%=J/UJ; <50%=J/R
24. Was a MS/MSD pair prepared with each batch?	✓				
25. Was the MS/MSD parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
26. Were MS/MSD recoveries 40-140% and RPD ≤20?		✓		ADR checked section; the MSD recovered below control limits. All associated results were qualified "J/UJ".	QAPP Table 3-2 Method EPA 353.2 Section 9.4.2 >UL%=J; 30-LL%=J/UJ; <50%=J/R

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 Rev 0
Analysis: EPA 353.2- Nitrocellulose
Revision: 1

Review Questions:	Yes	No	N/A	Comments	Qualifier
27. Were sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes, summarize contents.		✓			
30. Were lab comments included in report? If yes, summarize contents.	✓				

References: *STL SOP SAC-WC-0050 "Preparation and Analysis of Nitrocellulose in Aqueous and Soil/Sediment Samples by Colorimetric Autoanalyzer", Jan 2007, rev. 2.0*

Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 9012
Revision: 1

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
1. Did Chain-of-Custody information agree with laboratory report?	✓			COC#: 330437, 330438, 335465, 335473, 335471, 330436, 335472; Per Client sample FWGLL3mw-238c-0021-GW (as noted on COC) was changed to FWGLL3mw-238c-0425-GW.	
2. Were samples preserved properly and received in good condition?	✓			9 Coolers were received between 2.1 and 3.5°C. Cooler K110 was received at 6.5°C and without ice. Analyses were performed with approval from the project.	QAPP Table 4-2
3. Were holding times met?	✓			Samples collected 4/16/07, and analyzed on 4/1907 and 4/20/07	QAPP Table 4-2 J/UJ/R
4. Were sample storage requirements met?	✓				QAPP Table 4-2
5. Were QAPP specified PQLs achieved?	✓				QAPP Table 3-9
6. Were all QAPP-specified target analytes reported?	✓				QAPP Table 3-9
7. Does the initial calibration curve consist of at least 6 standards and one blank?	✓			4/1907, 4/20/07	LCG Table 10 R
8. Was the correlation coefficient R ≥ 0.995?	✓				LCG Table 10 R<0.995=-J/R
9. Were % RSDs ≤ 10% in all standards and ICV/CCVs?	✓				LCG Table 10 RSD%>10=J
10. Were a high and low standard distilled and compared to the undistilled standard? Were the results within ± 10%?	✓				LCG Table 10 R
11. Was an MDL Level Verification performed at least once per quarter with all target analytes detected?			✓	MDL verification check data was not provided. No qualifications were made since an evaluation could not be completed.	LCG Table 10 R
12. Was a MRL Level Verification performed at the beginning of every daily sequence? Were results within 70-130%?	✓			4/19/07 @ 1659, 4/20/07 @ 0808,	LCG Table 10 >130%=J; 65-70%=J/UJ; <65%=J/R
13. Was a second source verification (ICV) analyzed after the ICAL and all analytes 85-115%?	✓				LCG Table 10 >115%=J; 80-85%=J/UJ; <80%=J/R
14. Was the ICB analyzed after the ICV with results <1/2 the MRL?	✓				LCG Table 7 < 5x = U

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 9012
Revision: 1

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
15. Was a CCV run at the beginning and end of the analytical sequence?	✓				LCG Table 10
16. Were the CCV results 80-120%?	✓				LCG Table 10 >120%=J; 75-80%=J/UJ; <75%=J/R
17. Was a method blank prepared and analyzed with each batch?	✓				
18. Were target analytes detected in the method blank >1/2 the MRL?	✓			The method blank from 4/20/07 detected cyanide at 0.0069 mg/L. There were no detected results therefore no qualifications were made.	LCG Table 10 <5x=B
19. Was a field blank collected and analyzed?	✓			Sample FWGEQUIPRinse1-0456-GW, collected on 4/17/07, was analyzed in SDG A7D180106. Rinse 1 was cross applied to the samples collected on 4/16.	
20. Were target analytes in the field blank analyses <1/2 the MRL?	✓				<5x=B
21. Was a field duplicate analyzed? Were the RPDs ≤30%?	✓			Sample FWGRQLmw-DUP1-0447-GW was the field duplicate of FWGRQLmw-009C-0443-GW.	QAPP Table 3-2 >30% = J
22. Was an LCS prepared and analyzed with each batch?	✓				LCG Table 10
23. Were the LCS recoveries 80-120%?	✓				LCG Table 10 >120%=J; 50-79%=J/UJ; <50%=R
24. Was a MS prepared once per every 10 samples?	✓			2 MS recoveries were reported. Only one MS recovery applies to the samples in this SDG (analyzed on 4/19/07).	LCG Table 10
25. Was the MS parent sample a Ravenna sample?	✓			Sample FWGRQLmw-007c-0441-GW was the parent.	
26. Were MS recoveries 75-125%?	✓				QAPP Table 3-2 >120%=J; 30-74%=J/UJ; <30%=J/R
27. Were reported sample concentrations within calibration range?	✓				
28. Were laboratory-generated Quality Control Exception Reports issued? If yes,		✓			

Ravenna, OH Data Review Checklist

Project Number: 030240.0006.05
Sample Event: April 2007
Data Reviewer/Date: Heather Medley/ November 14, 2007

SDG: A7D170102 R0
Analysis: SW846 9012
Revision: 1

Review Questions:	Yes	No	N/A	Comments	QUAL/Criteria
summarize contents.					
29. Were lab comments included in report? If yes, summarize contents.	✓				

References: Louisville Chemistry Guidelines (LCG), USACE June 2002 version 5; Section I "Chemical Analysis Criteria" Table 10 and Attachment A "Data Validation Guidelines:

Final Quality Assurance Project Plan (QAPP) Addendum for the Facility-Wide Groundwater Monitoring Program Ravenna Army Ammunition Plant, Ravenna, OH, Portage Environmental September 2004

Additional Comments:

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-078C-0419-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102006

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	7.0		ug/L	B	YES	J								J							L
Calcium	53000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	1.7		ug/L	B	YES	J								J							L
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	7410		ug/L		YES																
Manganese	24.2		ug/L	J	YES																
Nickel	4.4		ug/L	B	YES	J								J							L
Potassium	2080		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	6450		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	212		ug/L		YES	J															Pj
Thallium	0.070		ug/L	B	YES	J								J							L
Zinc	5.9		ug/L	B J	YES	BJ			UB					J		UB					L, F, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-078C-0419-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102005

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-078C-0419-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102005

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ R					~~R~~										Pj-
Bromoform	1.0		ug/L	U	YES	R					~~R~~										Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	UJ				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ	~~R~~									R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-078C-0419-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102005

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-078C-0419-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102005

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	2.4		ug/L	J B	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	0.81		ug/L	J B	YES	J								J							L, P
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-078C-0419-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102005

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.42		ug/L	J	YES	J								J							L
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-080C-0420-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102008

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	10.0		ug/L	U	YES																
Calcium	43300		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	3260		ug/L		YES																
Manganese	3.5		ug/L	B J	YES	J								J							L
Nickel	2.8		ug/L	B	YES	J								J							L
Potassium	1410		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	1130		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES	UJ															
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	159		ug/L		YES	J															Pj
Thallium	1.0		ug/L	U	YES																
Zinc	6.5		ug/L	B J	YES	UJ			UB					J		UB					L, F, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-080C-0420-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102007

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 10**															
4,4'-DDD	0.30		ug/L	U	YES																
4,4'-DDE	0.30		ug/L	U	YES																
4,4'-DDT	0.30		ug/L	U	YES																
Aldrin	0.30		ug/L	U	YES																
alpha-BHC	0.30		ug/L	U	YES																
alpha-Chordane	0.30		ug/L	U	YES																
beta-BHC	0.30		ug/L	U	YES																
delta-BHC	0.30		ug/L	U	YES																
Dieldrin	0.30		ug/L	U	YES																
Endosulfan I	0.25		ug/L	U	YES	UJ				UJ											J-
Endosulfan II	0.25		ug/L	U	YES	UJ				UJ											J-
Endosulfan sulfate	0.30		ug/L	U	YES																
Endrin	0.30		ug/L	U	YES																
Endrin aldehyde	0.30		ug/L	U	YES																
Endrin ketone	0.30		ug/L	U	YES																
gamma-BHC	0.30		ug/L	U	YES																
gamma-Chlordane	0.30		ug/L	U	YES																
Heptachlor	0.30		ug/L	U	YES																
Heptachlor epoxide	0.30		ug/L	U	YES																
Methoxychlor	1.0		ug/L	U	YES																
Toxaphene	20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 0.96**															
1,3,5-Trinitrobenzene	0.17		ug/L		YES																
1,3-Dinitrobenzene	0.096		ug/L	U	YES																
2,4,6-TNT	0.13		ug/L		YES																
2,4-Dinitrotoluene	0.096		ug/L	U	YES																
2,6-Dinitrotoluene	0.061		ug/L	J	YES	J								J							L
2-Amino-4,6-dinitrotoluene	1.4		ug/L		YES																
2-Nitrotoluene	0.48		ug/L	U	YES																
3-Nitrotoluene	0.48		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	3.1		ug/L		YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-080C-0420-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102007

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.96**															
4-Nitrotoluene	0.48		ug/L	U	YES																
HMX	0.59		ug/L		YES																
Nitrobenzene	0.096		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	2.3		ug/L		YES																
TETRYL	0.096		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-080C-0420-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102007

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES	UJ															
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES	UJ															
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	~~UJ~~ R				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																

Project Number and Name: 030240.0005 - Ravenna GW **Library Used:** Ravenna GW

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-080C-0420-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102007

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-080C-0420-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102007

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	5.0		ug/L	J B	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	0.83		ug/L	J B	YES									J							L
Dimethyl phthalate	1.0		ug/L	U	YES																

Project Number and Name: 030240.0005 - Ravenna GW **Library Used:** Ravenna GW

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL1mw-080C-0420-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102007

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-238C-0425-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102004

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	5.0		ug/L	U	YES																
Barium	5.1		ug/L	B	YES	J								J							L
Calcium	36700		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	3970		ug/L		YES																
Manganese	1.8		ug/L	B J	YES	J								J							L
Nickel	1.7		ug/L	B	YES	J								J							L
Potassium	1500		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	2120		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	15.5		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	185		ug/L		YES	J															BJ
Thallium	1.0		ug/L	U	YES																
Zinc	5.5		ug/L	B J	YES	UJ			UB					J		UB					L, C, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-238C-0425-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102003

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 50**															
4,4'-DDD	1.5		ug/L	U	YES	R	UJ						R								A-,G-
4,4'-DDE	1.5		ug/L	U	YES	R	UJ						R								A-,G-
4,4'-DDT	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Aldrin	1.5		ug/L	U	YES	R	UJ						R								A-,G-
alpha-BHC	1.5		ug/L	U	YES	R	UJ						R								A-,G-
alpha-Chordane	1.5		ug/L	U	YES	R	UJ						R								A-,G-
beta-BHC	1.5		ug/L	U	YES	R	UJ						R								A-,G-
delta-BHC	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Dieldrin	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Endosulfan I	1.2		ug/L	U	YES	R	UJ			UJ			R								A-,J-,G-
Endosulfan II	1.2		ug/L	U	YES	R	UJ			UJ			R								A-,J-,G-
Endosulfan sulfate	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Endrin	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Endrin aldehyde	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Endrin ketone	1.5		ug/L	U	YES	R	UJ						R								A-,G-
gamma-BHC	1.5		ug/L	U	YES	R	UJ						R								A-,G-
gamma-Chlordane	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Heptachlor	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Heptachlor epoxide	1.5		ug/L	U	YES	R	UJ						R								A-,G-
Methoxychlor	5.0		ug/L	U	YES	R	UJ						R								A-,G-
Toxaphene	100		ug/L	U	YES	R	UJ						R								A-,G-
Analysis Method : 8330						**Dilution: 4.98**															
1,3,5-Trinitrobenzene	26		ug/L		YES	J	J						J								A-,G-
1,3-Dinitrobenzene	0.50		ug/L	U	YES	R	UJ						R								A-,G-
2,4,6-TNT	60		ug/L		YES	J	J						J								A,G
2,4-Dinitrotoluene	0.50		ug/L	U	YES	R	UJ						R								A-,G-
2,6-Dinitrotoluene	0.50		ug/L	U	YES	R	UJ						R								A-,G-
2-Amino-4,6-dinitrotoluene	11		ug/L		YES	J	J						J								A,G
2-Nitrotoluene	2.5		ug/L	U	YES	R	UJ						R								A-,G-
3-Nitrotoluene	2.5		ug/L	U	YES	R	UJ						R								A-,G-
4-Amino-2,6-Dinitrotoluene	25		ug/L		YES	J	J						J								A,G

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-238C-0425-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102003

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330							**Dilution: 4.98**														
4-Nitrotoluene	2.5		ug/L	U	YES	R	UJ						R								A-,G-
HMX	1.2		ug/L		YES	J	J						J								A,G
Nitrobenzene	0.50		ug/L	U	YES	R	UJ						R								A-,G-
NITROGLYCERINE	3.2		ug/L	U	YES	R	UJ						R								A-,G-
Pentaerythritol Tetranitrate (PETN)	3.2		ug/L	U	YES	R	UJ						R								A-,G-
RDX	4.8		ug/L		YES	J	J						J								A,G
TETRYL	0.50		ug/L	U	YES	R	UJ						R								A-,G-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-238C-0425-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102003

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ	UJ														A-
Aroclor 1221	0.50		ug/L	U	YES	UJ	UJ														A-
Aroclor 1232	0.50		ug/L	U	YES	UJ	UJ														A-
Aroclor 1242	0.50		ug/L	U	YES	UJ	UJ														A-
Aroclor 1248	0.50		ug/L	U	YES	UJ	UJ														A-
Aroclor 1254	0.50		ug/L	U	YES	UJ	UJ														A-
Aroclor 1260	0.50		ug/L	U	YES	UJ	UJ														A-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1,2-Trichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1-Dichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1-Dichloroethene	1.0		ug/L	U	YES	UJ	UJ														A-
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ	UJ														Pj-,A-
1,2-Dichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,2-Dichloroethene (total)	1.0		ug/L	U	YES	UJ	UJ														A-
1,2-Dichloropropane	1.0		ug/L	U	YES	UJ	UJ														A-
2-Butanone	10		ug/L	U	YES	UJ	UJ														A-
2-Hexanone	10		ug/L	U	YES	UJ	UJ														A-
4-Methyl-2-pentanone	10		ug/L	U	YES	UJ	UJ														A-
Acetone	10		ug/L	U	YES	UJ	UJ														A-
Benzene	1.0		ug/L	U	YES	UJ	UJ														A-
Bromochloromethane	1.0		ug/L	U	YES	UJ	UJ														A-
Bromodichloromethane	1.0		ug/L	U	YES	UJ	UJ														Pj-,A-
Bromoform	1.0		ug/L	U	YES	UJ	UJ														Pj-,A-
Bromomethane	1.0		ug/L	U	YES	UJ	UJ												UJ		A-,U-
Carbon disulfide	1.0		ug/L	U	YES	UJ	UJ														A-
Carbon tetrachloride	1.0		ug/L	U	YES	UJ	UJ			UJ											Pj-,J-,A-
Chlorobenzene	1.0		ug/L	U	YES	UJ	UJ														A-
Chloroethane	1.0		ug/L	U	YES	UJ	UJ														A-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-238C-0425-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102003

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Chloroform	1.0		ug/L	U	YES	UJ	UJ														A-
Chloromethane	1.0		ug/L	U	YES	UJ	UJ														A-
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R	UJ			UJ										R	Pj-,W-,J-,
Dibromochloromethane	1.0		ug/L	U	YES	~~UJ~~	UJ														Pj-,A-
Ethylbenzene	1.0		ug/L	U	YES	UJ	UJ														A-
Methylene chloride	2.0		ug/L	U	YES	UJ	UJ														A-
Styrene	1.0		ug/L	U	YES	UJ	UJ														A-
Tetrachloroethene	1.0		ug/L	U	YES	UJ	UJ														A-
Toluene	1.0		ug/L	U	YES	UJ	UJ														A-
TOTAL XYLENES	2.0		ug/L	U	YES	UJ	UJ														A-
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R	UJ			UJ										R	Pj-,W-,J-,
Trichloroethene	1.0		ug/L	U	YES	UJ	UJ														A-
Vinyl chloride	1.0		ug/L	U	YES	UJ	UJ														A-
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES	UJ	UJ														A-
1,2-Dichlorobenzene	1.0		ug/L	U	YES	UJ	UJ														A-
1,3-Dichlorobenzene	1.0		ug/L	U	YES	UJ	UJ														A-
1,4-Dichlorobenzene	1.0		ug/L	U	YES	UJ	UJ														A-
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES	UJ	UJ														A-
2,4,5-Trichlorophenol	5.0		ug/L	U	YES	UJ	UJ														A-
2,4,6-Trichlorophenol	5.0		ug/L	U	YES	UJ	UJ														A-
2,4-Dichlorophenol	2.0		ug/L	U	YES	UJ	UJ														A-
2,4-Dimethylphenol	2.0		ug/L	U	YES	UJ	UJ														A-
2,4-Dinitrophenol	5.0		ug/L	U	YES	UJ	UJ														A-
2,4-Dinitrotoluene	5.0		ug/L	U	YES	UJ	UJ														A-
2,6-Dinitrotoluene	5.0		ug/L	U	YES	UJ	UJ														A-
2-Chloronaphthalene	1.0		ug/L	U	YES	UJ	UJ														A-
2-Chlorophenol	1.0		ug/L	U	YES	UJ	UJ														A-
2-Methylnaphthalene	0.20		ug/L	U	YES	UJ	UJ														A-
2-Methylphenol	1.0		ug/L	U	YES	UJ	UJ														A-
2-Nitroaniline	2.0		ug/L	U	YES	UJ	UJ														A-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-238C-0425-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102003

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
2-Nitrophenol	2.0		ug/L	U	YES	UJ	UJ														A-
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES	UJ	UJ														A-
3-Nitroaniline	2.0		ug/L	U	YES	UJ	UJ														A-
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES	UJ	UJ														A-
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES	UJ	UJ														A-
4-Chloro-3-methylphenol	2.0		ug/L	U	YES	UJ	UJ														A-
4-Chloroaniline	2.0		ug/L	U	YES	UJ	UJ														A-
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES	UJ	UJ														A-
4-Methylphenol	1.0		ug/L	U	YES	UJ	UJ														A-
4-Nitroanaline	2.0		ug/L	U	YES	UJ	UJ														A-
4-Nitrophenol	5.0		ug/L	U	YES	UJ	UJ														A-
Acenaphthene	0.20		ug/L	U	YES	UJ	UJ														A-
Acenaphthylene	0.20		ug/L	U	YES	UJ	UJ														A-
Anthracene	0.20		ug/L	U	YES	UJ	UJ														A-
Benzo(a)anthracene	0.20		ug/L	U	YES	UJ	UJ														A-
Benzo(a)pyrene	0.20		ug/L	U	YES	UJ	UJ														A-
Benzo(b)fluoranthene	0.20		ug/L	U	YES	UJ	UJ														A-
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES	UJ	UJ														A-
Benzo(k)fluoranthene	0.20		ug/L	U	YES	UJ	UJ														A-
Benzoic acid	10		ug/L	U	YES	UJ	UJ														A-
Benzyl alcohol	5.0		ug/L	U	YES	UJ	UJ														A-
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES	UJ	UJ														A-
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES	UJ	UJ														A-
bis(2-Ethylhexyl) phthalate	4.0		ug/L	J B	YES	J	J							J							L, A
Butylbenzyl Phthalate	1.0		ug/L	U	YES	UJ	UJ														A-
Carbazole	1.0		ug/L	U	YES	UJ	UJ														A-
Chrysene	0.20		ug/L	U	YES	UJ	UJ														A-
dibenzo(a,h)anthracene	0.20		ug/L	U	YES	UJ	UJ														A-
Dibenzofuran	1.0		ug/L	U	YES	UJ	UJ														A-
Diethyl phthalate	0.80		ug/L	J B	YES	UJ	J		B					J							L, F, A
Dimethyl phthalate	1.0		ug/L	U	YES	UJ	UJ														A-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL3mw-238C-0425-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102003

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Di-n-butyl phthalate	1.0		ug/L	U	YES	UJ	UJ														A-
Di-n-octyl phthalate	1.0		ug/L	U	YES	UJ	UJ														A-
Fluoranthene	0.20		ug/L	U	YES	UJ	UJ														A-
Fluorene	0.20		ug/L	U	YES	UJ	UJ														A-
Hexachlorobenzene	0.20		ug/L	U	YES	UJ	UJ														A-
Hexachlorobutadiene	1.0		ug/L	U	YES	UJ	UJ														A-
Hexachlorocyclopentadiene	10		ug/L	U	YES	R	UJ			R											A-,J-
Hexachloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES	UJ	UJ														A-
Isophorone	1.0		ug/L	U	YES	UJ	UJ														A-
Naphthalene	0.20		ug/L	U	YES	UJ	UJ														A-
Nitrobenzene	1.0		ug/L	U	YES	UJ	UJ														A-
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES	UJ	UJ														A-
N-Nitrosodiphenylamine	1.0		ug/L	U	YES	UJ	UJ														A-
Pentachlorophenol	5.0		ug/L	U	YES	UJ	UJ														A-
Phenanthrene	0.20		ug/L	U	YES	UJ	UJ														A-
Phenol	1.0		ug/L	U	YES	UJ	UJ														A-
Pyrene	0.20		ug/L	U	YES	UJ	UJ														A-
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES	UJ	UJ														A-

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-199C-0428-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102002

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	8.9		ug/L		YES																
Barium	101		ug/L		YES																
Calcium	85500		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	5.0		ug/L	U	YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	21500		ug/L		YES																
Manganese	425		ug/L	J	YES																
Nickel	10.0		ug/L	U	YES																
Potassium	1240		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	9230		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	2460		ug/L		YES	J															RJ
Thallium	1.0		ug/L	U	YES																
Zinc	6.7		ug/L	B J	YES	BUJ			MB					J		MB					L, FN
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

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Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-199C-0428-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102001

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.98**															
1,3,5-Trinitrobenzene	0.098		ug/L	U	YES																
1,3-Dinitrobenzene	0.098		ug/L	U	YES																
2,4,6-TNT	0.098		ug/L	U	YES																
2,4-Dinitrotoluene	0.098		ug/L	U	YES																
2,6-Dinitrotoluene	0.098		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.098		ug/L	U	YES																
2-Nitrotoluene	0.49		ug/L	U	YES																
3-Nitrotoluene	0.49		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.098		ug/L	U	YES																
4-Nitrotoluene	0.49		ug/L	U	YES																
HMX	0.098		ug/L	U	YES																
Nitrobenzene	0.098		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.098		ug/L	U	YES																
TETRYL	0.098		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-199C-0428-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102001

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES																
4,4'-DDE	0.030		ug/L	U	YES																
4,4'-DDT	0.030		ug/L	U	YES																
Aldrin	0.030		ug/L	U	YES																
alpha-BHC	0.030		ug/L	U	YES																
alpha-Chordane	0.030		ug/L	U	YES																
beta-BHC	0.030		ug/L	U	YES																
delta-BHC	0.030		ug/L	U	YES																
Dieldrin	0.030		ug/L	U	YES																
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ											J-
Endosulfan sulfate	0.030		ug/L	U	YES																
Endrin	0.030		ug/L	U	YES																
Endrin aldehyde	0.030		ug/L	U	YES																
Endrin ketone	0.030		ug/L	U	YES																
gamma-BHC	0.030		ug/L	U	YES																
gamma-Chlordane	0.030		ug/L	U	YES																
Heptachlor	0.030		ug/L	U	YES																
Heptachlor epoxide	0.030		ug/L	U	YES																
Methoxychlor	0.10		ug/L	U	YES																
Toxaphene	2.0		ug/L	U	YES																
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES																
Aroclor 1221	0.50		ug/L	U	YES																
Aroclor 1232	0.50		ug/L	U	YES																
Aroclor 1242	0.50		ug/L	U	YES																
Aroclor 1248	0.50		ug/L	U	YES																
Aroclor 1254	0.50		ug/L	U	YES																
Aroclor 1260	0.50		ug/L	U	YES																
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-199C-0428-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102001

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	R, ~~UJ~~				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-199C-0428-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102001

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-199C-0428-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102001

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	10		ug/L	U	YES																
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGLL4mw-199C-0428-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102001

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-007C-0441-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102012

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	53.6		ug/L		YES																
Barium	58.8		ug/L		YES																
Calcium	161000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	8.7		ug/L		YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	133000		ug/L		YES																
Manganese	2590		ug/L	J	YES																
Nickel	12.5		ug/L		YES																
Potassium	9050		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	9960		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	21700		ug/L		YES	J															Rj
Thallium	0.029		ug/L	B	YES	J								J							L
Zinc	32.4		ug/L	J	YES																
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-007C-0441-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102011

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 2**															
4,4'-DDD	0.060		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.060		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.060		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.060		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.060		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.060		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.060		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.060		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.060		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.050		ug/L	U	YES	UJ				UJ	UJ		UJ								G-,J-,H-
Endosulfan II	0.050		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.060		ug/L	U	YES	UJ							UJ								G-
Endrin	0.060		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.060		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.060		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.060		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.060		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.060		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.060		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.20		ug/L	U	YES	UJ							UJ								G-
Toxaphene	4.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8330						**Dilution: 1.01**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.089		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-007C-0441-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102011

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 1.01**															
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.66		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.66		ug/L	U	YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-007C-0441-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102011

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	J5															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Bromoform	1.0		ug/L	U	YES	~~UJ~~					UJ										Pj-,H-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	~~UJ~~				UJ	UJ										Pj-,J-,H-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-007C-0441-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102011

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ	UJ									R	Pj-,W-,J-,
Dibromochloromethane	1.0		ug/L	U	YES	UJ					UJ										Pj-,H-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ	UJ									R	Pj-,W-,J-,
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-007C-0441-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102011

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	2.3		ug/L	J B	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	0.86		ug/L	J B	YES	BJ			B	B				J							L
Dimethyl phthalate	1.0		ug/L	U	YES																

Project Number and Name: 030240.0005 - Ravenna GW **Library Used:** Ravenna GW

ADR 8.1 Report Date: 6/21/2007 15:04

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-007C-0441-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102011

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R	UJ										H-,J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L		YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GF
Lab Report Batch : A7D170102
Lab ID : STLCAN
Sample Date : 04/16/2007
Analysis Type: 1DIL1/TOT
Sample Matrix : AQ
Lab Sample ID: A7D170102014

Reviewed By / Date : H Medley 6/21/2007
Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6020						**Dilution: 5**															
Iron	134000		ug/L		YES	J															B

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102014

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	53.3		ug/L		YES																
Barium	152		ug/L		YES																
Calcium	86200		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	2.8		ug/L	B	YES	J								J							L
Copper	1.9		ug/L	B	YES	J								J							L
Lead	3.0		ug/L	U	YES																
Magnesium	41600		ug/L		YES																
Manganese	930		ug/L	J	YES																
Nickel	9.0		ug/L	B	YES	J								J							L
Potassium	5940		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	10900		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	29.4		ug/L	B	YES	J								J							L
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	0.30		ug/L	B	YES	J								J							L
Cadmium	0.50		ug/L	U	YES																
Thallium	1.0		ug/L	U	YES																
Zinc	9.3		ug/L	B J	YES	BJ			JB					J		JB					L,F,N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102013

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8081A						**Dilution: 5**															
4,4'-DDD	0.15		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.15		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.15		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.15		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.15		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.15		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.15		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.15		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.15		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.12		ug/L	U	YES	UJ				UJ			UJ								G- J-
Endosulfan II	0.12		ug/L	U	YES	UJ				UJ			UJ								G- J-
Endosulfan sulfate	0.15		ug/L	U	YES	UJ							UJ								G-
Endrin	0.15		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.15		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.15		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.15		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.15		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.15		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.15		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.50		ug/L	U	YES	UJ							UJ								G-
Toxaphene	10		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8330						**Dilution: 0.99**															
1,3,5-Trinitrobenzene	0.099		ug/L	U	YES																
1,3-Dinitrobenzene	0.099		ug/L	U	YES																
2,4,6-TNT	0.099		ug/L	U	YES																
2,4-Dinitrotoluene	0.099		ug/L	U	YES																
2,6-Dinitrotoluene	0.27		ug/L		YES																
2-Amino-4,6-dinitrotoluene	0.099		ug/L	U	YES																
2-Nitrotoluene	0.50		ug/L	U	YES																
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: DL** **Sample Matrix :** AQ

Lab Sample ID: A7D170102013

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8330						**Dilution: 0.99**															
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.099		ug/L	U	YES																
Nitrobenzene	0.099		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.65		ug/L	U	YES																
RDX	0.099		ug/L	U	YES																
TETRYL	0.099		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102013

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.13		mg/L	B	YES	J					J			J							L
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES	UJ															
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	UJ															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	UJ				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																

Project Number and Name: 030240.0005 - Ravenna GW **Library Used:** Ravenna GW

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102013

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102013

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.9		ug/L	J B	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	0.83		ug/L	J B	YES	J			B					J							L
Dimethyl phthalate	1.0		ug/L	U	YES																

Project Number and Name: 030240.0005 - Ravenna GW **Library Used:** Ravenna GW

ADR 8.1 Report Date: 6/21/2007 15:04

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-008C-0442-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102013

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.66		ug/L		YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-009C-0443-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102016

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	40.6		ug/L		YES																
Barium	56.3		ug/L		YES																
Calcium	33900		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	7.0		ug/L		YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	36900		ug/L		YES																
Manganese	2050		ug/L	J	YES																
Nickel	5.5		ug/L	B	YES	J								J							L
Potassium	4430		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	4360		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	21700		ug/L		YES	J															Pj
Thallium	0.079		ug/L	B	YES	J								J							L
Zinc	7.7		ug/L	B J	YES	BJ			UB					J		UB					L, F, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-009C-0443-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102015

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.0083		ug/L	J	YES	J							J	J							L, B, G
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-009C-0443-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102015

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ															Pj-
Bromoform	1.0		ug/L	U	YES	R															Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	UJ				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES	R															Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-009C-0443-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102015

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-009C-0443-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102015

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	1.6		ug/L	J B	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	0.81		ug/L	J B	YES	BJ			MB					J							L, F
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-009C-0443-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102015

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.11		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.50		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.50		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.88		ug/L		YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-DUP1-0447-GF **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES/TOT** **Sample Matrix :** AQ

Lab Sample ID: A7D170102010

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 6010B						**Dilution: 1**															
Arsenic	37.8		ug/L		YES																
Barium	52.9		ug/L		YES																
Calcium	32000		ug/L		YES																
Chromium	5.0		ug/L	U	YES																
Cobalt	6.3		ug/L		YES																
Copper	5.0		ug/L	U	YES																
Lead	3.0		ug/L	U	YES																
Magnesium	34800		ug/L		YES																
Manganese	1900		ug/L	J	YES																
Nickel	6.4		ug/L	B	YES	J								J							L
Potassium	4160		ug/L	J	YES																
Selenium	5.0		ug/L	U	YES																
Silver	5.0		ug/L	U	YES																
Sodium	3960		ug/L		YES																
Vanadium	10.0		ug/L	U	YES																
Analysis Method : 6020						**Dilution: 1**															
Aluminum	50.0		ug/L	U	YES																
Antimony	2.0		ug/L	U	YES	UJ															Pj-
Beryllium	1.0		ug/L	U	YES																
Cadmium	0.50		ug/L	U	YES																
Iron	20200		ug/L		YES	J															QJ
Thallium	0.097		ug/L	B	YES	J								J							L
Zinc	7.5		ug/L	B J	YES	UJ			UB					J		UB					L, F, N
Analysis Method : 7470A						**Dilution: 1**															
Mercury	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-DUP1-0447-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102009

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 353.2 Modified						**Dilution: 1**															
Nitrocellulose	0.50		mg/L	U	YES	UJ					UJ										I
Analysis Method : 8081A						**Dilution: 1**															
4,4'-DDD	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDE	0.030		ug/L	U	YES	UJ							UJ								G-
4,4'-DDT	0.030		ug/L	U	YES	UJ							UJ								G-
Aldrin	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
alpha-Chordane	0.030		ug/L	U	YES	UJ							UJ								G-
beta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
delta-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
Dieldrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endosulfan I	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan II	0.025		ug/L	U	YES	UJ				UJ			UJ								G-,J-
Endosulfan sulfate	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin aldehyde	0.030		ug/L	U	YES	UJ							UJ								G-
Endrin ketone	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-BHC	0.030		ug/L	U	YES	UJ							UJ								G-
gamma-Chlordane	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor	0.030		ug/L	U	YES	UJ							UJ								G-
Heptachlor epoxide	0.030		ug/L	U	YES	UJ							UJ								G-
Methoxychlor	0.10		ug/L	U	YES	UJ							UJ								G-
Toxaphene	2.0		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8082						**Dilution: 1**															
Aroclor 1016	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1221	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1232	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1242	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1248	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1254	0.50		ug/L	U	YES	UJ							UJ								G-
Aroclor 1260	0.50		ug/L	U	YES	UJ							UJ								G-
Analysis Method : 8260B						**Dilution: 1**															

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-DUP1-0447-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102009

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ															Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES	UJ R															Pj-
Bromoform	1.0		ug/L	U	YES																Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	UJ				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES																Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	2.0		ug/L	U	YES																
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-DUP1-0447-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102009

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																
Analysis Method : 8270C						**Dilution: 1**															
1,2,4-Trichlorobenzene	1.0		ug/L	U	YES																
1,2-Dichlorobenzene	1.0		ug/L	U	YES																
1,3-Dichlorobenzene	1.0		ug/L	U	YES																
1,4-Dichlorobenzene	1.0		ug/L	U	YES																
2,2-OXYBIS (1-CHLOROPROPANE)	1.0		ug/L	U	YES																
2,4,5-Trichlorophenol	5.0		ug/L	U	YES																
2,4,6-Trichlorophenol	5.0		ug/L	U	YES																
2,4-Dichlorophenol	2.0		ug/L	U	YES																
2,4-Dimethylphenol	2.0		ug/L	U	YES																
2,4-Dinitrophenol	5.0		ug/L	U	YES																
2,4-Dinitrotoluene	5.0		ug/L	U	YES																
2,6-Dinitrotoluene	5.0		ug/L	U	YES																
2-Chloronaphthalene	1.0		ug/L	U	YES																
2-Chlorophenol	1.0		ug/L	U	YES																
2-Methylnaphthalene	0.20		ug/L	U	YES																
2-Methylphenol	1.0		ug/L	U	YES																
2-Nitroaniline	2.0		ug/L	U	YES																
2-Nitrophenol	2.0		ug/L	U	YES																
3,3'-Dichlorobenzidine	5.0		ug/L	U	YES																
3-Nitroaniline	2.0		ug/L	U	YES																
4,6-Dinitro-2-methylphenol	5.0		ug/L	U	YES																
4-Bromophenyl phenyl ether	2.0		ug/L	U	YES																
4-Chloro-3-methylphenol	2.0		ug/L	U	YES																
4-Chloroaniline	2.0		ug/L	U	YES																
4-Chlorophenyl phenyl ether	2.0		ug/L	U	YES																
4-Methylphenol	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-DUP1-0447-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102009

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
4-Nitroanaline	2.0		ug/L	U	YES																
4-Nitrophenol	5.0		ug/L	U	YES																
Acenaphthene	0.20		ug/L	U	YES																
Acenaphthylene	0.20		ug/L	U	YES																
Anthracene	0.20		ug/L	U	YES																
Benzo(a)anthracene	0.20		ug/L	U	YES																
Benzo(a)pyrene	0.20		ug/L	U	YES																
Benzo(b)fluoranthene	0.20		ug/L	U	YES																
BENZO(G,H,I)PERYLENE	0.20		ug/L	U	YES																
Benzo(k)fluoranthene	0.20		ug/L	U	YES																
Benzoic acid	10		ug/L	U	YES																
Benzyl alcohol	5.0		ug/L	U	YES																
bis(2-Chloroethoxy)methane	1.0		ug/L	U	YES																
bis(2-Chloroethyl) ether	1.0		ug/L	U	YES																
bis(2-Ethylhexyl) phthalate	2.4		ug/L	J B	YES	J								J							L
Butylbenzyl Phthalate	1.0		ug/L	U	YES																
Carbazole	1.0		ug/L	U	YES																
Chrysene	0.20		ug/L	U	YES																
dibenzo(a,h)anthracene	0.20		ug/L	U	YES																
Dibenzofuran	1.0		ug/L	U	YES																
Diethyl phthalate	1.0		ug/L	U	YES																P
Dimethyl phthalate	1.0		ug/L	U	YES																
Di-n-butyl phthalate	1.0		ug/L	U	YES																
Di-n-octyl phthalate	1.0		ug/L	U	YES																
Fluoranthene	0.20		ug/L	U	YES																
Fluorene	0.20		ug/L	U	YES																
Hexachlorobenzene	0.20		ug/L	U	YES																
Hexachlorobutadiene	1.0		ug/L	U	YES																
Hexachlorocyclopentadiene	10		ug/L	U	YES	R				R											J-
Hexachloroethane	1.0		ug/L	U	YES																
Indeno(1,2,3-cd)pyrene	0.20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGRQLmw-DUP1-0447-GW **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102009

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8270C						**Dilution: 1**															
Isophorone	1.0		ug/L	U	YES																
Naphthalene	0.20		ug/L	U	YES																
Nitrobenzene	1.0		ug/L	U	YES																
N-nitroso-di-n-propylamine	1.0		ug/L	U	YES																
N-Nitrosodiphenylamine	1.0		ug/L	U	YES																
Pentachlorophenol	5.0		ug/L	U	YES																
Phenanthrene	0.20		ug/L	U	YES																
Phenol	1.0		ug/L	U	YES																
Pyrene	0.20		ug/L	U	YES																
Analysis Method : 8330						**Dilution: 1**															
1,3,5-Trinitrobenzene	0.10		ug/L	U	YES																
1,3-Dinitrobenzene	0.10		ug/L	U	YES																
2,4,6-TNT	0.10		ug/L	U	YES																
2,4-Dinitrotoluene	0.10		ug/L	U	YES																
2,6-Dinitrotoluene	0.10		ug/L	U	YES																
2-Amino-4,6-dinitrotoluene	0.10		ug/L	U	YES																
2-Nitrotoluene	0.11		ug/L	J	YES	J								J							L
3-Nitrotoluene	0.52		ug/L	U	YES																
4-Amino-2,6-Dinitrotoluene	0.10		ug/L	U	YES																
4-Nitrotoluene	0.52		ug/L	U	YES																
HMX	0.10		ug/L	U	YES																
Nitrobenzene	0.10		ug/L	U	YES																
NITROGLYCERINE	0.65		ug/L	U	YES																
Pentaerythritol Tetranitrate (PETN)	0.92		ug/L		YES																
RDX	0.10		ug/L	U	YES																
TETRYL	0.10		ug/L	U	YES																
Analysis Method : 9012A						**Dilution: 1**															
Cyanide	0.010		mg/L	U	YES																
Analysis Method : SW8330 Modified						**Dilution: 1**															
Nitroguanidine	20		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTEAM1-TRIP **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102017

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																Pj-
Bromoform	1.0		ug/L	U	YES																Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES	UJ				UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES																Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.40		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTEAM1-TRIP **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102017

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTEAM2-TRIP **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102018

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1,2-Trichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1-Dichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,1-Dichloroethene	1.0		ug/L	U	YES	UJ	UJ														A-
1,2-Dibromoethane	1.0		ug/L	U	YES	UJ	UJ														Pj-,A-
1,2-Dichloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
1,2-Dichloroethene (total)	1.0		ug/L	U	YES	UJ	UJ														A-
1,2-Dichloropropane	1.0		ug/L	U	YES	UJ	UJ														A-
2-Butanone	10		ug/L	U	YES	UJ	UJ														A-
2-Hexanone	10		ug/L	U	YES	UJ	UJ														A-
4-Methyl-2-pentanone	10		ug/L	U	YES	UJ	UJ														A-
Acetone	10		ug/L	U	YES	UJ	UJ														A-
Benzene	1.0		ug/L	U	YES	UJ	UJ														A-
Bromochloromethane	1.0		ug/L	U	YES	UJ	UJ														A-
Bromodichloromethane	1.0		ug/L	U	YES	UJ	UJ														Pj-,A-
Bromoform	1.0		ug/L	U	YES	UJ	UJ														Pj-,A-
Bromomethane	1.0		ug/L	U	YES	UJ	UJ												UJ		A-,U-
Carbon disulfide	1.0		ug/L	U	YES	UJ	UJ														A-
Carbon tetrachloride	1.0		ug/L	U	YES	UJ	UJ			UJ											Pj-,J-,A-
Chlorobenzene	1.0		ug/L	U	YES	UJ	UJ														A-
Chloroethane	1.0		ug/L	U	YES	UJ	UJ														A-
Chloroform	1.0		ug/L	U	YES	UJ	UJ														A-
Chloromethane	1.0		ug/L	U	YES	UJ	UJ														A-
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R	UJ			UJ										R	Pj-,W-,J-,
Dibromochloromethane	1.0		ug/L	U	YES	UJ	UJ														Pj-,A-
Ethylbenzene	1.0		ug/L	U	YES	UJ	UJ														A-
Methylene chloride	0.46		ug/L	J B	YES	J	J							J							L
Styrene	1.0		ug/L	U	YES	UJ	UJ														A-
Tetrachloroethene	1.0		ug/L	U	YES	UJ	UJ														A-
Toluene	1.0		ug/L	U	YES	UJ	UJ														A-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTEAM2-TRIP **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102018

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B							**Dilution: 1**														
TOTAL XYLENES	2.0		ug/L	U	YES	UJ	UJ														A-
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R	UJ			UJ										R	Pj-,W-,J-,
Trichloroethene	1.0		ug/L	U	YES	UJ	UJ														A-
Vinyl chloride	1.0		ug/L	U	YES	UJ	UJ														A-

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTEAM3-TRIP **Lab Report Batch :** A7D170102 **Lab ID :** STLCAN

Sample Date : 04/16/2007 **Analysis Type: RES** **Sample Matrix :** AQ

Lab Sample ID: A7D170102019

Reviewed By / Date : H Medley 6/21/2007 **Approved By / Date :**

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
1,1,1-Trichloroethane	1.0		ug/L	U	YES																
1,1,2,2-Tetrachloroethane	1.0		ug/L	U	YES																
1,1,2-Trichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethane	1.0		ug/L	U	YES																
1,1-Dichloroethene	1.0		ug/L	U	YES																
1,2-Dibromoethane	1.0		ug/L	U	YES																Pj-
1,2-Dichloroethane	1.0		ug/L	U	YES																
1,2-Dichloroethene (total)	1.0		ug/L	U	YES																
1,2-Dichloropropane	1.0		ug/L	U	YES																
2-Butanone	10		ug/L	U	YES																
2-Hexanone	10		ug/L	U	YES																
4-Methyl-2-pentanone	10		ug/L	U	YES																
Acetone	10		ug/L	U	YES																
Benzene	1.0		ug/L	U	YES																
Bromochloromethane	1.0		ug/L	U	YES																
Bromodichloromethane	1.0		ug/L	U	YES																Pj-
Bromoform	1.0		ug/L	U	YES																Pj-
Bromomethane	1.0		ug/L	U	YES	UJ													UJ		U-
Carbon disulfide	1.0		ug/L	U	YES																
Carbon tetrachloride	1.0		ug/L	U	YES					UJ											Pj-,J-
Chlorobenzene	1.0		ug/L	U	YES																
Chloroethane	1.0		ug/L	U	YES																
Chloroform	1.0		ug/L	U	YES																
Chloromethane	1.0		ug/L	U	YES																
cis-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Dibromochloromethane	1.0		ug/L	U	YES																Pj-
Ethylbenzene	1.0		ug/L	U	YES																
Methylene chloride	0.40		ug/L	J B	YES	J								J							L
Styrene	1.0		ug/L	U	YES																
Tetrachloroethene	1.0		ug/L	U	YES																
Toluene	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Sample Qualification Report with Reason Codes (All Results sorted by Client Sample ID)

Client Sample ID : FWGTEAM3-TRIP
Lab Report Batch : A7D170102
Lab ID : STLCAN
Sample Date : 04/16/2007
Analysis Type: RES
Sample Matrix : AQ
Lab Sample ID: A7D170102019

Reviewed By / Date : H Medley 6/21/2007
Approved By / Date :

Analyte Name	Result	Uncertainty / Error	Result Units	Lab Qual	Rep Res	Overall Qual*	Temp	HT	MB	LCS	MS	Lab Dup	Surr	Rep Limit	Moist Tot/Dis	Field QC	Tune	IC	ICV	CV / CCV	Reason Codes
Analysis Method : 8260B						**Dilution: 1**															
TOTAL XYLENES	2.0		ug/L	U	YES																
trans-1,3-Dichloropropene	1.0		ug/L	U	YES	R				UJ										R	Pj-,W-,J-
Trichloroethene	1.0		ug/L	U	YES																
Vinyl chloride	1.0		ug/L	U	YES																

* Overall result qualifier reflects summation of qualifiers added during automated data review and any qualifiers added manually for categories not assessed by automated data review

Reason Code Library: Example 1

Category	Code
Low Bias Indicator	-
High Bias Indicator	+
Temperature	A
Holding Times	
Sampling to Analysis	C
Sampling to Extraction	D
Extaction to Analysis	E
Method Blanks	F
Surrogate Recovery	G
MS/MSD	
MS/MSD Recovery	H
MS/MSD RPD	I
LCS	
LCS Recovery	J
LCS RPD	K
Reporting Limits	L
Field QC	
Field Blank	M
Equipment Blank	N
Trip Blank	O
Field Duplicate	P
Initial Calibration	
Initial Calibration RRF	Q
Initial Calibration RSD	R
Initial Calibration Cor. Coef	S
Initial Calibration Verification	
Initial Calibration Verificaton RRF	T
Initial CalibrationVerification %D	U
Continuing Calibration	
Continuing Calibraiton RRF	V
Continuing Calibration %D	W
GC/MS Tune	
GC/MS Tune for Initial Calibration	X
GC/MS Tune for Continuing Calibration	Y
Laboratory Duplicate	Z
Categories not Assessed by Automated Data Review*	
Internal Standards	Is
Calibration Blanks	Cb
Resolution Check Mixture	Rm
Performance Evaluation Mixture	Pm
Professional Judgement	Pj

* Qualifiers for data-review categories not assessed by automated data review are manually entered by the user. The application automaticallly adds reason codes listed here when the user manually adds qualifiers for these categories if the option for applying reason codes was selected during automated data review.

CASE NARRATIVE

A7D170102

The following report contains the analytical results for sixteen water samples and three quality control samples submitted to STL North Canton by Environmental Quality Mgt Inc from the FWGWMP RVAAP Site, project number W912QR-04-D-0036. The samples were received April 17, 2007, according to documented sample acceptance procedures.

The Explosives, Nitroguandine, and Nitrocellulose as N analyses were performed at STL Sacramento.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The coolers were received at temperatures ranging from 2.1 to 3.5°C.

The temperature of cooler K110 upon sample receipt was 6.5°C. without any coolant.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

GC/MS SEMIVOLATILES

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "B". All target analytes in the Method Blank must be below the reporting limit (RL) or the associated sample(s) must be ND with the exception of common laboratory contaminants.

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

PESTICIDES-8081

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The reporting limits are elevated due to matrix interference for samples FWGLL1mw-080C-0420-GW, FWGLL3mw-238C-0425-GW, FWGRQLmw-007C-0441-GW and FWGRQLmw-008C-0442-GW.

POLYCHLORINATED BIPHENYLS-8082

The analytical results met the requirements of the laboratory's QA/QC program.

CASE NARRATIVE (continued)

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The sample(s) that contained concentrations of target analyte(s) at a reportable level in the associated Method Blank(s) were flagged with "J". Refer to the sample report pages for the affected analyte(s).

Matrix spike recovery and relative percent difference (RPD) data were not calculated for some analytes for FWGRQLmw-007C-0441-GF due to the sample concentration reading greater than four times the spike amount. See the Matrix Spike Report for the affected analytes which will be flagged with "NC, MSB".

GENERAL CHEMISTRY

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

The matrix spike/matrix spike duplicate(s) for FWGRQLmw-007C-0441-GW had RPD's outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER A7D170102R

General Comments
The samples were received at 0 degrees C. but did not appear to be frozen.

WATER, 8330, Explosives
Sample(s): 3
This sample had no surrogate recovery due to the presence of significant concentrations of 4-amino-2,6-dinitrotoluene and 2-amino-4,6-dinitrotoluene. The surrogate recovery on the confirmation column was 113% but this value is not able to be reported per our standard operating procedure.

Samples: 1, 3, 5, 7, 9, 11, 13, 15
These samples were analyzed without bracketing MRL standards for Nitroglycerin & PETN since these analytes were requested after the samples had already been analyzed.

WATER, 353.2, Nitrocellulose
The matrix spikes, which were performed on sample 11, showed a low matrix spikes duplicate recovery due to possible matrix interferences. Since the laboratory control sample showed acceptable recoveries, no corrective action was performed.

There were no other anomalies associated with this project.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)
-

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

STL North Canton Certifications and Approvals:

California (#01144CA), Connecticut (#PH-0590), Florida (#E87225), Illinois (#200004), Kansas (#E10336), Minnesota (#39-999-348), New Jersey (#OH001), New York (#10975), Ohio (#6090), OhioVAP (#CL0024), Utah (#QUAN9), West Virginia (#210), Wisconsin (#999518190),NAVY, ARMY, USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ENVIRONMENTAL QUALITY MANAGEMENT	JOHN MILLER	4/16/07	330437
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1800 CARILLON BLVD.	(513) 825-7500 / (513) 825-7495		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
CINCINNATI / OH / 45240			
Project Name and Location (State)	**Carrier/Waybill Number**		
PN 30240.0006	NA		
Contract/Purchase Order/Quote No.			
W912QR-04-D-0036 POH:12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	$ZnAc/NaOH$	Analysis: SVOC 8270	Explosives 8330	Pesticides 8081	PCB 8082	Propellants	Cyanides 9012	Methane 3810 modified	VOC 8260	Special Instructions/ Conditions of Receipt
FWGLL1MW-078C-0419-GW	4/16/07	1605		X			10			3	1		X	X	X	X	X	X		X	
FWGLL1MW-078C-0419-GF	4/16/07	1605		X					1										X		FIELD FILTERED
FWGRQLMW-0082-0442-GW	4/16/07	1115		X						3										X	
FWGLL1MW-080C-0420-GW	4/16/07	1420		X			10						X	X	X	X	X	X		X	
FWGLL1MW-080C-0420-GF	4/16/07	1420		X					1										X		FIELD FILTERED
FWG TEAM1-TRIP	4/16/07	0800		X						3										X	

DAS 4/16/07

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other PER SOW

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/16/07	1812	1. Received By: RICK ROBISON	4/16/07	1812
2. Relinquished By: RICK ROBISON	4/16/07	1940	2. Received By	4/17/07	0650
3. Relinquished By			3. Received By		

Comments
2 coolers on this chain. Cooler ID: 4039 Cooler ID: 9128

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

19

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
ENVIRONMENTAL QUALITY MANAGEMENT	JOHN MILLER	4/16/07	330438
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ____ of ____**
1800 CARILLON BLVD.	(513) 825-7500 / (513) 825-7495		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
CINCINNATI	OH	45240		
Project Name and Location (State)	**Carrier/Waybill Number**
PN 30240.0006	NA
Contract/Purchase Order/Quote No.	
N912QR-04-D-0036 POH: 12633	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC 8260	SVOC 8270	Explosive 8330	Pesticide 8081	PCB 8082	Propellants	Cyanide 9012	Metals 6010/6020 7470					Special Instructions/ Conditions of Receipt
FWGLL3MW-238C-0021-GW	4/16/07	1600		X			10			3	1		X	X	X	X	X	X	X	X BAS 4/16/07					
FWGLL3MW-238C-0021-GF	4/16/07	1600		X					1											X					FIELD FILTERED
FWGRQLMW-DUP1-0447-GW	4/16/07	1225		X						3			X												
FWGRQLMW-009C-0443-GW	4/16/07	1210		X						3			X												
FWG TEAM2 - TRIP	4/16/07	0800		X						3			X												

EK 4/16/07

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other PER SOW

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/16/07	1812	1. Received By Rick Fobian	4-16-07	1812
2. Relinquished By Rick Fobian	4-16-07	1940	2. Received By	4/17/07	0650
3. Relinquished By			3. Received By		

Comments
1 Cooler ID K110

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

20

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

21

STL-4124 (0901)

Client: Environmental Quality Management	Project Manager: John Miller	Date: 4/16/07	Chain of Custody Number: 335465
Address: 1800 Carillon Blvd.	Telephone Number (Area Code)/Fax Number: 513 825-7500	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): 30240.0006	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO # 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: SVOC 8270	Pest 8081	PCB 8082	Explosive 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGRQLmw-009C-0443-GW	4/16/07	1210		X			10				1		X	X	X	X	X	X		
FWGRQLmw-009C-0443-GF	4/16/07	1210		X					1										X	Field Filtered

EC 4/16/07

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other Per SOW

QC Requirements (Specify):

1. Relinquished By	Date: 4/16/07	Time: 1812	1. Received By: Rich Robson	Date: 4-16-07	Time: 1812
2. Relinquished By: Rich Robson	Date: 4-16-07	Time: 1940	2. Received By	Date: 4/17/07	Time: 0650
3. Relinquished By	Date:	Time:	3. Received By	Date:	Time:

Comments: Cooler ID # A007

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

22

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
EQM	JOHN MILLER	4-16-07	335473
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1800 CARILLON BLVD	513 825 7500 (FAX 7495)		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
CINCINNATI / OH / 45240		MARK LOEB	
Project Name and Location (State)	**Carrier/Waybill Number**		
PN 030240.0006	N/A		
Contract/Purchase Order/Quote No.			
W912QR-04-D-0036 PO# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOC 8270	Pest 8081	PCB 8082	Explosives 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGRQL-MW008C-0442-GF	4/16/07	1115		X					1										X	Metals Field Filtered
FWGRQL-MW008C-0442-GW	4/16/07	1115		X			10				1		X	X	X	X	X	X		

EC 4/16/07

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other per SOW

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/16/07	1812	1. Received By	4-16-07	1812
2. Relinquished By Rick Robison	4/16/07	1940	2. Received By	4/17/07	0650
3. Relinquished By			3. Received By		

Comments

Cooler ID# 1-112

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: Environmental Quality Management	Project Manager: JOHN MILLER	Date: 4/16/07	Chain of Custody Number: 335471
Address: 1800 CARILLON BLVD	Telephone Number (Area Code)/Fax Number: 513 825 7500 (7495 FAX)	Lab Number:	Page 1 of 1
City: CINCINNATI / State: OH / Zip Code: 45240	Site Contact:	Lab Contact: Mark Loeb	
Project Name and Location (State): PN 30240.0006.	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: W912QR-04-D-0030 POH 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: SOC 8270	8081 Pest	PCB 8082	Explosives 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGLL4mw-199C-0428-GF	4/16/07	1520		X					1										X	Field Filtered Metals
FWGLL4mw-199C-0428-GW	1	1520		X			10				1		X	X	X	X	X	X		

EC 4/16/07

Possible Hazard Identification

[X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal

[ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

[ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [X] Other per SOW

QC Requirements (Specify)

1. Relinquished By: [illegible]	Date: 4/16/07	Time: 1412	1. Received By: Rick Tobson	Date: 4-16-07	Time: KC
2. Relinquished By: Rick Tobson	Date: 4/16/07	Time: 1940	2. Received By: [signature]	Date: 4/17/07	Time: 0650
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments: Cooler ID# 4022

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Stays with the Sample: PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: ENVIRONMENTAL QUALITY MANAGEMENT	Project Manager: JOHN MILLER	Date: 4/16/07	Chain of Custody Number: 330436
Address: 1800 CARILLON BLVD.	Telephone Number (Area Code)/Fax Number: (513) 825-7500 / (513) 825-7495	Lab Number	Page _____ of _____
City: CINCINNATI / State: OH / Zip Code: 45240	Site Contact	Lab Contact	
Project Name and Location (State): PN 030240.0006	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: W912QR-04-D-0036 PO# 12633			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: SVOC 8270	Pest 8081	PCB 8082	Explosive 8330	Propellants	Cyanide 9012	Metals	Special Instructions/ Conditions of Receipt
FWGRQLmw-007C-0441	4/16/07	1135		X			30		3		3		X	X	X	X	X	X	X	MS/MSD

EC 4/16/07

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [ ] Other Per SOW

QC Requirements (Specify)

1. Relinquished By	Date: 4-16-07	Time: 1812	1. Received By: Rick Robison	Date: 4-16-07	Time: 1812
2. Relinquished By: Rick Robison	Date: 4-16-07	Time: 1940	2. Received By	Date: 4/17/07	Time: 0650
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 3 COOLERS THIS CHAIN Cooler ID's 4111 L30 EC 4/16/07 L038 4101

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Chain of Custody Record

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
Environmental Quality Management	John Miller	4/16/07	335472

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
1800 Carillon Blvd.	513 825 7500 (FAX 7495)		Page 1 of 1

City	State	Zip Code	Site Contact	Lab Contact
Cincinnati	OH	45240		Mark Loeb

Project Name and Location (State)	Carrier/Waybill Number
30240.0006	N/A

Contract/Purchase Order/Quote No.: W912QR-04-D0036 PO# 12683

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	SVOC 8270	Pesticides 8081	PCB 8082	Explosives 8330	Pipeliants	Cyanide 9012	Metals	VOCs 8260	Special Instructions/ Conditions of Receipt
FWGLL4mw-199C-0428-GW	4/16/07	1520		X							3										X	~~Field Filter Metals~~ EC 4/16/07
FWGRQLmw-007C-0441-GW	4/16/07	11:35		X							9										X	MS/MSD
FWGTeam3-Trip	4/16/07	0900		X							2										X	Trip Blank
FWGRQLmw-Dup1-0447-GW	4/16/07	1225		X				10				1		X	X	X	X	X	X			
FWGRQLmw-Dup1-0447-GW EC 4/16/07	4/16/07	1225								1										X		Field Filtered

EC 4/16/07

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other: Person

QC Requirements (Specify):

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	4/16/07	1812	Rick Robeson	4-16-07	1812

2. Relinquished By	Date	Time	2. Received By	Date	Time
Rick Robeson	4-16-07	1640	[signature]	4/17/07	0650

3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: Cooler ID# 4059

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

Loeb, Mark

From: Erik Corbin [ecorbin@eqm.com]
Sent: Wednesday, April 18, 2007 6:14 AM
To: Loeb, Mark
Cc: Heather Medley
Subject: Re: Sample receipts for 4/09/07

Thanks, Mark. Please include a copy of this e-mail in the respective data package when you submit the data.

Thanks,

Erik Corbin

Environmental Quality Management, Inc.
513-825-7500 (voice)
513-825-7495 (fax)
ecorbin@eqm.com

Loeb, Mark wrote:

> Erik,
>
> Per our conversation, cooler K110 was received with a temperature of 6.5 degrees C. The laboratory will proceed with analyses as requested on the COC.
>
> Thanks,
>
> MJL
> **Mark J. Loeb**
>
> Project Manager
> Severn Trent Laboratories, Inc.
> 4101 Shuffel Drive, N. W.
> North Canton, OH 44720
>
> *Direct line: 330-966-9387*
> *Main :330-497-9396*
> *Fax : 330-497-0772*
>
> Leaders in Environmental Testing
>
> Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this

Loeb, Mark

From: Erik Corbin [ecorbin@eqm.com]
Sent: Friday, April 20, 2007 11:59 AM
To: Loeb, Mark
Cc: Heather Medley
Subject: Ravenna

Mark,

We were fortunate enough to be able to finish up sampling yesterday, so a courier today will not be necessary. I informed your courier yesterday, but just wanted to make sure you are aware.

Couple of items I wanted to follow up with and make sure are documented:

1.) Per our discussion Tuesday a.m., for COC #330438, submitted 4/16, please change the first two sample ID's listed as follows:
FWGLL3mw-238C-0021-GW to FWGLL3mw-238C-0425-GW and FWGLL3mw-238C-0021-GF to FWGLL3mw-238C-0425-GF.
2.) For COC #268914, submitted 4/19, we only need MS/MSD for nitrate/nitrite only only sample FWGLL12mw-183C-0433-GW.

Please include this e-mail in the respective data packages for documentation purposes. Please let me know if you have any questions or require additional information.

Thanks,

Erik Corbin

Environmental Quality Management, Inc.
513-825-7500 (voice)
513-825-7495 (fax)
ecorbin@eqm.com

STL Cooler Receipt Form/Narrative **Lot Number:** 470170102
North Canton Facility

Client: EGM Project: Quote#:
Cooler Received on: 4/17/07 Opened on: 4/17/07 by: (Signature)
Fedx ☐ Client Drop Off ☐ UPS ☐ DHL ☐ FAS ☐ STL Courier ☒
Stetson ☐ US Cargo ☐ Other:
STL Cooler No# See back Foam Box ☐ Client Cooler ☐ Other
Intact? Yes ☒ No ☐ NA ☐

1. Were custody seals on the outside of the cooler? Yes ☒ No ☐
   If YES, Quantity 14
   Were the custody seals signed and dated? Yes ☒ No ☐ NA ☐
2. Shipper's packing slip attached to this form? Yes ☒ No ☐ NA ☒
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☒ None ☐ Other :
6. Cooler temperature upon receipt ____ °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_20 Slurry ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☒

7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH upon receipt? Yes ☐ No ☒ NA ☐
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a Trip Blank present in the cooler? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐

Contacted PM MSL Date: 4/17/07 by: via Voice Mail ☐ Verbal ☒ Other ☐
Concerning: High Temps on Cooler K110 (No Ice)

√	
	1. CHAIN OF CUSTODY
	The following discrepancies occurred: Cooler that had a high Temp had samples FWGLL3mw-238C-0425-GW entirely (1x1L 1x250 3x40) Sample Team2 Trip (2x40) FWGRQLmw-Dup1-0447-GW (3x40mL) & FWGRQLmw-007C-0443-GW (3x40mL).
	2. SAMPLE CONDITION
	Sample(s) were received after the recommended holding time had expired.
	Sample(s) were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) 007 (1x1L) & 008 (1x1L) w/HNO3 were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #* 110106 *- Sulfuric Acid Lot #* 092006-*H2SO4; Sodium Hydroxide Lot #* -122805 *-NaOH; Hydrochloric Acid Lot #* 100504-*HCl; Sodium Hydroxide and Zinc Acetate Lot #* 050205-*CH3COO2ZN/NaOH*
	Sample(s) were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials
199C	<2 >12	4/17/07	gm
238C	<2 >12	"	"
078C	<2 >12	"	"
080C	<2 >12	"	"

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials
001	<2 >12	4/17/07	JM
007	<2 >12 <2>12 <2 >12		
008	<2 >12		
009	<2 >12		

Cooler	Temp	Method	Coolant
4022	2.1°C	IR	Ice
K110	6.5°C	IR	None
4039	2.3°C	IR	Ice
Q128	3.4°C		
4059	3.3°C		
4101	2.7°C		
4111	3.5°C		
L038	2.4°C		

Discrepancies Cont.

K112	2.1°C	IR	Ice
A007	2.3°C		

SAMPLE SUMMARY

A7D170102

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JT112	001	FWGLL4mw-199C-0428-GW	04/16/07	15:20
JT116	002	FWGLL4mw-199C-0428-GF	04/16/07	15:20
JT117	003	FWGLL3mw-238C-0425-GW	04/16/07	16:00
JT118	004	FWGLL3mw-238C-0425-GF	04/16/07	16:00
JT119	005	FWGLL1mw-078C-0419-GW	04/16/07	16:05
JT12A	006	FWGLL1mw-078C-0419-GF	04/16/07	16:05
JT12C	007	FWGLL1mw-080C-0420-GW	04/16/07	14:20
JT12D	008	FWGLL1mw-080C-0420-GF	04/16/07	14:20
JT12E	009	FWGRQLmw-DUP1-0447-GW	04/16/07	12:25
JT12F	010	FWGRQLmw-DUP1-0447-GF	04/16/07	12:25
JT12G	011	FWGRQLmw-007C-0441-GW	04/16/07	11:35
JT12J	012	FWGRQLmw-007C-0441-GF	04/16/07	11:35
JT12K	013	FWGRQLmw-008C-0442-GW	04/16/07	11:15
JT12L	014	FWGRQLmw-008C-0442-GF	04/16/07	11:15
JT12M	015	FWGRQLmw-009C-0443-GW	04/16/07	12:10
JT12N	016	FWGRQLmw-009C-0443-GF	04/16/07	12:10
JT12W	017	FWGTEAM1-TRIP	04/16/07	08:00
JT12X	018	FWGTEAM2-TRIP	04/16/07	08:00
JT120	019	FWGTEAM3-TRIP	04/16/07	09:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

GCMS VOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AA **Matrix.....:** WG
Date Sampled...: 04/16/07 15:20 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	93	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AA **Matrix.....:** WG
Date Sampled...: 04/16/07 16:00 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	99	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT1191AA **Matrix.....:** WG
Date Sampled...: 04/16/07 16:05 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT1191AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	100	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C1AA **Matrix.....:** WG
Date Sampled...: 04/16/07 14:20 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	91	(50 - 150)
Toluene-d8	97	(50 - 150)
4-Bromofluorobenzene	102	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AA **Matrix.....:** WG
Date Sampled...: 04/16/07 12:25 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	88	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	101	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-011 **Work Order #...:** JT12G1AA **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-011 **Work Order #...:** JT12G1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	88	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	105	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AA **Matrix.....:** WG
Date Sampled...: 04/16/07 11:15 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(50 - 150)
1,2-Dichloroethane-d4	86	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	99	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-015 **Work Order #...:** JT12M1AA **Matrix.....:** WG
Date Sampled...: 04/16/07 12:10 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	2.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

GC/MS Volatiles

Lot-Sample #...: A7D170102-015 **Work Order #...:** JT12M1AA **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	96	(50 - 150)
4-Bromofluorobenzene	98	(50 - 150)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTEAM1-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D170102-017 **Work Order #...:** JT12W1AA **Matrix.....:** WQ
Date Sampled...: 04/16/07 08:00 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.40 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTEAM1-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D170102-017 Work Order #...: JT12W1AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	90	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	97	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTEAM2-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D170102-018 **Work Order #...:** JT12X1AA **Matrix.....:** WQ
Date Sampled...: 04/16/07 08:00 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.46 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTEAM2-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D170102-018 Work Order #...: JT12X1AA Matrix.....: WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)
Toluene-d8	95	(50 - 150)
4-Bromofluorobenzene	99	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGTEAM3-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D170102-019 **Work Order #...:** JT1201AA **Matrix.....:** WQ
Date Sampled...: 04/16/07 09:00 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.40 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGTEAM3-TRIP

GC/MS Volatiles

Lot-Sample #...: A7D170102-019 **Work Order #...:** JT1201AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(50 - 150)
1,2-Dichloroethane-d4	89	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	101	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\UXJ2615.D
Report Date: 16-Apr-2007 12:00

STL North Canton

RECOVERY REPORT

Client Name:
Client SDG: SDGa01304
Sample Matrix: LIQUID
Fraction: VOA
Lab Smp Id: ICV
Level: LOW
Operator: 43582
Data Type: MS DATA
SampleType: METHSPIKE
SpikeList File: DOD-ck.spk
Quant Type: ISTD
Sublist File: 4-8260+IX.sub
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\8260LLUX11.m
Misc Info: J70413B-IC,8260LLUX11,,43582,3

	SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
	17	1,1-Dichloroethene	10.000	9.288	92.88	45-155
	42	Trichloroethene	10.000	8.918	89.18	45-155
	59	Chlorobenzene	10.000	8.867	88.67	45-155
	50	Toluene	10.000	8.507	85.07	45-155
	41	Benzene	10.000	8.960	89.60	45-155
	16	Acetone	10.000	9.217	92.17	45-155
	20	Carbon Disulfide	10.000	9.510	95.10	45-155
	9	Chloromethane	10.000	8.484	84.84	45-155
	11	Bromomethane	10.000	7.729	77.29	45-155
	10	Vinyl Chloride	10.000	8.745	87.45	45-155
	12	Chloroethane	10.000	8.429	84.29	45-155
	21	Methylene Chloride	10.000	8.364	83.64	45-155
	28	1,1-Dichloroethane	10.000	9.131	91.31	45-155
M	31	1,2-Dichloroethene	20.000	18.051	90.25	45-155
	35	Chloroform	10.000	9.220	92.20	45-155
	40	1,2-Dichloroethane	10.000	9.127	91.27	45-155
	30	2-Butanone	10.000	10.008	100.08	45-155
	37	1,1,1-Trichloroeth	10.000	9.366	93.66	45-155
	39	Carbon Tetrachlori	10.000	9.622	96.22	45-155
	46	Bromodichlorometha	10.000	9.174	91.74	45-155
	43	1,2-Dichloropropan	10.000	9.241	92.41	45-155
	48	cis-1,3-Dichloropr	10.000	8.732	87.32	45-155
	54	1,3-Dichloropropan	10.000	8.820	88.20	45-155
	57	Dibromochlorometha	10.000	9.223	92.23	45-155
	53	1,1,2-Trichloroeth	10.000	8.824	88.24	45-155
	51	trans-1,3-Dichloro	10.000	8.658	86.58	45-155
	66	Bromoform	10.000	9.264	92.64	45-155
	49	4-Methyl-2-pentano	10.000	9.459	94.59	45-155
	56	2-Hexanone	10.000	9.600	96.00	45-155
	55	Tetrachloroethene	10.000	8.641	86.41	45-155
	68	1,1,2,2-Tetrachlor	10.000	9.091	90.91	45-155
	61	Ethylbenzene	10.000	9.131	91.31	45-155
	65	Styrene	10.000	8.913	89.13	45-155
M	63	Xylenes (total)	30.000	27.454	91.51	45-155
	32	cis-1,2-dichloroet	10.000	8.928	89.29	45-155
	25	trans-1,2-Dichloro	10.000	9.122	91.22	45-155
	8	Dichlorodifluorome	10.000	6.922	69.22	45-155
	13	Trichlorofluoromet	10.000	8.853	88.53	45-155
	70	1,2,3-Trichloropro	10.000	10.756	107.56	45-155
	18	Freon-113	10.000	10.156	101.56	45-155

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70413B-IC.b\UXJ2615.D
Report Date: 16-Apr-2007 12:00

SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
24 Methyl tert-butyl	10.000	8.892	88.92	45-155
58 1,2-Dibromoethane	10.000	9.090	90.90	45-155
67 Isopropylbenzene	10.000	9.875	98.75	45-155
80 1,3-Dichlorobenzen	10.000	8.711	87.11	45-155
81 1,4-Dichlorobenzen	10.000	8.965	89.65	45-155
83 1,2-Dichlorobenzen	10.000	8.736	87.36	45-155
84 1,2-Dibromo-3-chlo	10.000	9.678	96.78	45-155
85 1,2,4-Trichloroben	10.000	8.805	88.05	45-155
98 Cyclohexane	10.000	9.298	92.98	45-155
143 Methyl Acetate	10.000	9.606	96.06	45-155
144 Methylcyclohexane	10.000	8.995	89.95	45-155
71 Bromobenzene	10.000	9.224	92.24	45-155
34 Bromochloromethane	10.000	9.710	97.10	45-155
82 n-Butylbenzene	10.000	9.157	91.57	45-155
78 sec-Butylbenzene	10.000	9.143	91.43	45-155
76 tert-Butylbenzene	10.000	9.065	90.65	45-155
73 2-Chlorotoluene	10.000	9.054	90.54	45-155
75 4-Chlorotoluene	10.000	9.350	93.50	45-155
45 Dibromomethane	10.000	9.378	93.78	45-155
33 2,2-Dichloropropan	10.000	9.036	90.36	45-155
38 1,1-Dichloropropen	10.000	9.211	92.11	45-155
86 Hexachlorobutadien	10.000	8.538	85.38	45-155
19 Iodomethane	10.000	9.758	97.58	45-155
92 Isopropyl Ether	10.000	9.769	97.69	45-155
79 4-Isopropyltoluene	10.000	9.392	93.92	45-155
87 Naphthalene	10.000	8.748	87.48	45-155
72 n-Propylbenzene	10.000	9.401	94.01	45-155
60 1,1,1,2-Tetrachlor	10.000	9.318	93.18	45-155
88 1,2,3-Trichloroben	10.000	7.481	74.81	45-155
77 1,2,4-Trimethylben	10.000	9.236	92.36	45-155
74 1,3,5-Trimethylben	10.000	9.214	92.14	45-155
150 Vinyl Acetate-86	10.000	9.928	99.28	45-155
62 m + p-Xylene	20.000	18.316	91.58	45-155
64 Xylene-o	10.000	9.137	91.37	45-155

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 4 Dibromofluorometha	10.000	9.557	95.57	73-122
$ 5 1,2-Dichloroethane	10.000	9.377	93.77	61-128
$ 6 Toluene-d8	10.000	9.120	91.20	76-110
$ 7 Bromofluorobenzene	10.000	9.456	94.56	74-116

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2735.D
Report Date: 24-Apr-2007 09:39

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 24-APR-2007 08:59
Lab File ID: UXJ2735.D Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Analysis Type: WATER Init. Cal. Times: 11:08 22:52
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\8260LLUX11.m

	COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$	4 Dibromofluoromethane	0.20297	0.19753	0.19753	0.010	2.67706	50.00000	Averaged	
$	5 1,2-Dichloroethane-d4	0.28637	0.26157	0.26157	0.010	8.65817	50.00000	Averaged	
$	6 Toluene-d8	1.11379	1.07409	1.07409	0.010	3.56472	50.00000	Averaged	
$	7 Bromofluorobenzene	0.41523	0.43757	0.43757	0.010	-5.38001	50.00000	Averaged	
8	Dichlorodifluoromethane	0.27072	0.26837	0.26837	0.010	0.86966	50.00000	Averaged	
9	Chloromethane	0.39564	0.38510	0.38510	0.100	2.66551	50.00000	Averaged	
10	Vinyl Chloride	0.40012	0.37238	0.37238	0.010	6.93163	20.00000	Averaged	
11	Bromomethane	0.22896	0.23096	0.23096	0.010	-0.87132	50.00000	Averaged	
12	Chloroethane	0.24548	0.25024	0.25024	0.010	-1.93971	50.00000	Averaged	
13	Trichlorofluoromethane	0.42317	0.45562	0.45562	0.010	-7.66928	50.00000	Averaged	
15	Acrolein	0.04093	0.03743	0.03743	0.010	8.55775	50.00000	Averaged	
16	Acetone	100	113	0.11026	0.010	-13.21597	0.000e+000	Wt Linear	
17	1,1-Dichloroethene	0.27855	0.25279	0.25279	0.010	9.24742	20.00000	Averaged	
18	Freon-113	0.22289	0.21107	0.21107	0.010	5.30201	50.00000	Averaged	
19	Iodomethane	0.45809	0.39788	0.39788	0.010	13.14308	50.00000	Averaged	
20	Carbon Disulfide	0.90834	0.81962	0.81962	0.010	9.76689	50.00000	Averaged	
21	Methylene Chloride	0.32910	0.28538	0.28538	0.010	13.28580	50.00000	Averaged	
22	Acetonitrile	0.03890	0.03908	0.03908	0.010	-0.47176	50.00000	Averaged	
23	Acrylonitrile	0.10366	0.09605	0.09605	0.010	7.34805	50.00000	Averaged	
24	Methyl tert-butyl ether	0.80550	0.73658	0.73658	0.010	8.55582	50.00000	Averaged	
25	trans-1,2-Dichloroethene	0.28249	0.26468	0.26468	0.010	6.30421	50.00000	Averaged	
26	Hexane	0.05591	0.05580	0.05580	0.010	0.20046	20.00000	Averaged	
27	Vinyl acetate	0.39085	0.28520	0.28520	0.010	27.03147	50.00000	Averaged	
28	1,1-Dichloroethane	0.41072	0.41614	0.41614	0.100	-1.32012	50.00000	Averaged	
29	tert-Butyl Alcohol	0.02250	0.02032	0.02032	0.010	9.66006	50.00000	Averaged	
30	2-Butanone	0.11207	0.11357	0.11357	0.010	-1.34632	50.00000	Averaged	
M	31 1,2-Dichloroethene (total)	0.26268	0.25433	0.25433	0.010	3.17825	50.00000	Averaged	
32	cis-1,2-dichloroethene	0.24287	0.24398	0.24398	0.010	-0.45770	50.00000	Averaged	
33	2,2-Dichloropropane	0.23560	0.14884	0.14884	0.010	36.82714	50.00000	Averaged	
34	Bromochloromethane	0.11503	0.11233	0.11233	0.010	2.35333	50.00000	Averaged	
35	Chloroform	0.40721	0.38858	0.38858	0.010	4.57648	20.00000	Averaged	
36	Tetrahydrofuran	0.07164	0.06760	0.06760	0.010	5.63408	50.00000	Averaged	
37	1,1,1-Trichloroethane	0.29574	0.25786	0.25786	0.010	12.80878	50.00000	Averaged	
38	1,1-Dichloropropene	0.32819	0.31906	0.31906	0.010	2.78222	50.00000	Averaged	
39	Carbon Tetrachloride	0.20937	0.16605	0.16605	0.010	20.68995	50.00000	Averaged	
40	1,2-Dichloroethane	0.36436	0.33461	0.33461	0.010	8.16515	50.00000	Averaged	
41	Benzene	1.01912	0.94622	0.94622	0.010	7.15317	50.00000	Averaged	
42	Trichloroethene	0.25900	0.23955	0.23955	0.010	7.50799	50.00000	Averaged	
43	1,2-Dichloropropane	0.26721	0.23707	0.23707	0.010	11.28046	20.00000	Averaged	
44	1,4-Dioxane	0.00229	0.00205	0.00205	0.010	10.46301	50.00000	Averaged	<-
45	Dibromomethane	0.16015	0.13830	0.13830	0.010	13.64349	50.00000	Averaged	
46	Bromodichloromethane	0.29254	0.23735	0.23735	0.010	18.86295	50.00000	Averaged	
47	2-Chloroethyl vinyl ether	0.17976	0.15252	0.15252	0.010	15.15009	50.00000	Averaged	

$\frac{157.1672}{20} = 7.85836$

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2735.D
Report Date: 24-Apr-2007 09:39

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 24-APR-2007 08:59
Lab File ID: UXJ2735.D Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Analysis Type: WATER Init. Cal. Times: 11:08 22:52
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
48 cis-1,3-Dichloropropene	0.42430	0.29522	0.29522	0.010	30.42132	50.00000	Averaged
49 4-Methyl-2-pentanone	0.26133	0.21681	0.21681	0.010	17.03675	50.00000	Averaged
50 Toluene	1.42103	1.34185	1.34185	0.010	5.57250	20.00000	Averaged
51 trans-1,3-Dichloropropene	0.45001	0.28757	0.28757	0.010	36.09647	50.00000	Averaged
52 Ethyl Methacrylate	0.40452	0.26080	0.26080	0.010	35.52926	50.00000	Averaged
53 1,1,2-Trichloroethane	0.28506	0.26278	0.26278	0.010	7.81676	50.00000	Averaged
54 1,3-Dichloropropane	0.54779	0.49227	0.49227	0.010	10.13395	50.00000	Averaged
55 Tetrachloroethene	0.25894	0.24120	0.24120	0.010	6.85146	50.00000	Averaged
56 2-Hexanone	0.19712	0.19572	0.19572	0.010	0.70775	50.00000	Averaged
57 Dibromochloromethane	0.21782	0.19598	0.19598	0.010	10.02725	50.00000	Averaged
58 1,2-Dibromoethane	0.28192	0.24186	0.24186	0.010	14.21017	50.00000	Averaged
59 Chlorobenzene	0.93614	0.88265	0.88265	0.300	5.71391	50.00000	Averaged
60 1,1,1,2-Tetrachloroethane	0.24369	0.18498	0.18498	0.010	24.09297	50.00000	Averaged
61 Ethylbenzene	0.51241	0.47359	0.47359	0.010	7.57598	20.00000	Averaged
62 m + p-Xylene	0.61907	0.59540	0.59540	0.010	3.82404	50.00000	Averaged
M 63 Xylenes (total)	0.60660	0.58967	0.58967	0.010	2.79056	50.00000	Averaged
64 Xylene-o	0.58164	0.57821	0.57821	0.010	0.59058	50.00000	Averaged
65 Styrene	1.01954	0.99207	0.99207	0.010	2.69426	50.00000	Averaged
66 Bromoform	0.10876	0.10459	0.10459	0.100	3.82980	50.00000	Averaged
67 Isopropylbenzene	1.38900	1.42046	1.42046	0.010	-2.26486	50.00000	Averaged
68 1,1,2,2-Tetrachloroethane	0.67256	0.59075	0.59075	0.300	12.16456	50.00000	Averaged
69 1,4-Dichloro-2-butene	0.20651	0.12859	0.12859	0.010	37.73205	50.00000	Averaged
70 1,2,3-Trichloropropane	0.20152	0.17265	0.17265	0.010	14.32565	50.00000	Averaged
71 Bromobenzene	0.71748	0.62555	0.62555	0.010	12.81367	50.00000	Averaged
72 n-Propylbenzene	0.79924	0.71209	0.71209	0.010	10.90457	50.00000	Averaged
73 2-Chlorotoluene	0.71510	0.62628	0.62628	0.010	12.42008	50.00000	Averaged
74 1,3,5-Trimethylbenzene	2.45929	2.12411	2.12411	0.010	13.62927	50.00000	Averaged
75 4-Chlorotoluene	0.73494	0.66010	0.66010	0.010	10.18275	50.00000	Averaged
76 tert-Butylbenzene	2.09012	1.88583	1.88583	0.010	9.77434	50.00000	Averaged
77 1,2,4-Trimethylbenzene	2.58051	2.28474	2.28474	0.010	11.46190	50.00000	Averaged
78 sec-Butylbenzene	3.00818	2.77068	2.77068	0.010	7.89495	50.00000	Averaged
79 4-Isopropyltoluene	2.50489	2.38126	2.38126	0.010	4.93544	50.00000	Averaged
80 1,3-Dichlorobenzene	1.40543	1.30248	1.30248	0.010	7.32512	50.00000	Averaged
81 1,4-Dichlorobenzene	1.44164	1.34914	1.34914	0.010	6.41603	50.00000	Averaged
82 n-Butylbenzene	2.29208	2.21288	2.21288	0.010	3.45535	50.00000	Averaged
83 1,2-Dichlorobenzene	1.35040	1.29705	1.29705	0.010	3.95064	50.00000	Averaged
84 1,2-Dibromo-3-chloropropane	0.09945	0.08104	0.08104	0.010	18.51274	50.00000	Averaged
85 1,2,4-Trichlorobenzene	0.82301	0.87004	0.87004	0.010	-5.71470	50.00000	Averaged
86 Hexachlorobutadiene	0.30978	0.31660	0.31660	0.010	-2.20227	50.00000	Averaged
87 Naphthalene	50.00000	51.10902	2.16180	0.010	-2.21804	0.000e+000	Wt Linear
88 1,2,3-Trichlorobenzene	50.00000	57.53577	0.82757	0.010	-15.07154	0.000e+000	Wt Linear
98 Cyclohexane	0.40101	0.40924	0.40924	0.010	-2.05085	50.00000	Averaged
143 Methyl Acetate	0.23300	0.20165	0.20165	0.010	13.45337	50.00000	Averaged

163.505 = 10.9
15

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2735.D
Report Date: 24-Apr-2007 09:39

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a3ux11.i Injection Date: 24-APR-2007 08:59
Lab File ID: UXJ2735.D Init. Cal. Date(s): 04-APR-2007 19-APR-2007
Analysis Type: WATER Init. Cal. Times: 11:08 22:52
Lab Sample ID: 50NG-CC Quant Type: ISTD
Method: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\8260LLUX11.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
144 Methylcyclohexane	0.38123	0.36492	0.36492	0.010	4.27761	50.00000	Averaged
141 1,3,5-Trichlorobenzene	0.92814	0.92572	0.92572	0.010	0.26083	50.00000	Averaged
150 Vinyl Acetate-86	0.03697	0.02614	0.02614	0.010	29.29260	50.00000	Averaged

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2742.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2742.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:39
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A

QCMRL Opener

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	1,3,5-Trichlorobenzene	5.0000	4.9743	0.5	50.0	
0	Methylcyclohexane	5.0000	4.3075	13.9	50.0	
0	Methyl Acetate	10.0000	10.2394	2.4	50.0	
0	Cyclohexane	5.0000	4.7661	4.7	50.0	
0	Dichlorodifluoromethane	5.0000	4.5682	8.6	50.0	
0	Chloromethane	5.0000	5.1667	3.3	50.0	
0	Vinyl Chloride	5.0000	4.5654	8.7	20.0	
0	Bromomethane	5.0000	5.4716	9.4	50.0	
0	Chloroethane	5.0000	5.1986	4.0	50.0	
0	Trichlorofluoromethane	5.0000	4.8939	2.1	50.0	
0	Acrolein	50.0000	46.1956	7.6	50.0	
0	Acetone	10.0000	13.3166	33.2	50.0	%R = 133.2%
0	1,1-Dichloroethene	5.0000	4.6314	7.4	20.0	
0	Freon-113	5.0000	4.1472	17.1	50.0	
0	Iodomethane	5.0000	4.4426	11.1	50.0	
0	Carbon Disulfide	5.0000	4.7208	5.6	50.0	
0	Methylene Chloride	5.0000	6.7364	34.7	50.0	134.7%
0	Acetonitrile	50.0000	58.0835	16.2	50.0	
0	Acrylonitrile	50.0000	50.5271	1.1	50.0	
0	Methyl tert-butyl ether	5.0000	4.7458	5.1	50.0	
0	trans-1,2-Dichloroethene	5.0000	4.6712	6.6	50.0	
0	Hexane	5.0000	5.0780	1.6	20.0	
0	1,2,3-Trichlorobenzene	5.0000	10.5265	110.5	50.0	<- NR
0	1,1-Dichloroethane	5.0000	4.8209	3.6	50.0	
0	tert-Butyl Alcohol	100.0000	86.1130	13.9	50.0	
0	2-Butanone	10.0000	11.4192	14.2	50.0	
0	1,2-Dichloroethene (total)	10.0000	9.5402	4.6	50.0	
0	cis-1,2-dichloroethene	5.0000	4.8691	2.6	50.0	
0	2,2-Dichloropropane	5.0000	2.8320	43.4	50.0	
0	Bromochloromethane	5.0000	5.2244	4.5	50.0	
0	Chloroform	5.0000	4.4644	10.7	20.0	
0	Tetrahydrofuran	5.0000	5.2956	5.9	50.0	
0	1,1,1-Trichloroethane	5.0000	3.7842	24.3	50.0	
0	1,1-Dichloropropene	5.0000	4.7371	5.3	50.0	
0	Carbon Tetrachloride	5.0000	2.9955	40.1	50.0	59.9%
0	1,2-Dichloroethane	5.0000	4.4936	10.1	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2742.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2742.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:39
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	4.8255	3.5	50.0	
0	Trichloroethene	5.0000	4.3132	13.7	50.0	
0	1,2-Dichloropropane	5.0000	4.5929	8.1	20.0	
0	Naphthalene	5.0000	7.6135	52.3	50.0	<- M
0	Dibromomethane	5.0000	3.9450	21.1	50.0	
0	Bromodichloromethane	5.0000	3.5852	28.3	50.0	
0	2-Chloroethyl vinyl ether	10.0000	8.7012	13.0	50.0	
0	cis-1,3-Dichloropropene	5.0000	2.9013	42.0	50.0	58.0
0	4-Methyl-2-pentanone	10.0000	8.2784	17.2	50.0	
0	Toluene	5.0000	4.5810	8.4	20.0	
0	trans-1,3-Dichloropropene	5.0000	2.2691	54.6	50.0	<- 45.4
0	Ethyl Methacrylate	5.0000	2.7833	44.3	50.0	
0	1,1,2-Trichloroethane	5.0000	4.6638	6.7	50.0	
0	1,3-Dichloropropane	5.0000	4.0007	20.0	50.0	
0	Tetrachloroethene	5.0000	4.4078	11.8	50.0	
0	2-Hexanone	10.0000	9.9428	0.6	50.0	
0	Dibromochloromethane	5.0000	3.3455	33.1	50.0	66.9
0	1,2-Dibromoethane	5.0000	3.4123	31.8	50.0	68.2
0	Chlorobenzene	5.0000	4.8798	2.4	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	2.7322	45.4	50.0	
0	Ethylbenzene	5.0000	4.1780	16.4	20.0	
0	m + p-Xylene	10.0000	8.4821	15.2	50.0	
0	Xylenes (total)	15.0000	12.9093	13.9	50.0	
0	Xylene-o	5.0000	4.4272	11.5	50.0	
0	Styrene	5.0000	4.3034	13.9	50.0	
0	Bromoform	5.0000	3.0521	39.0	50.0	61.0%
0	Isopropylbenzene	5.0000	4.6870	6.3	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	4.1601	16.8	50.0	
0	1,4-Dichloro-2-butene	5.0000	0.0000	100.0	50.0	<- M
0	1,2,3-Trichloropropane	5.0000	4.0833	18.3	50.0	
0	Bromobenzene	5.0000	0.0000	100.0	50.0	<- M
0	n-Propylbenzene	5.0000	4.0026	19.9	50.0	
0	2-Chlorotoluene	5.0000	3.9214	21.6	50.0	
0	1,3,5-Trimethylbenzene	5.0000	3.7915	24.2	50.0	
0	4-Chlorotoluene	5.0000	4.0271	19.5	50.0	
0	tert-Butylbenzene	5.0000	3.8813	22.4	50.0	
0	1,2,4-Trimethylbenzene	5.0000	3.9945	20.1	50.0	
0	sec-Butylbenzene	5.0000	4.1788	16.4	50.0	
0	4-Isopropyltoluene	5.0000	4.1683	16.6	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2742.D
Report Date: 04/24/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2742.D
Analysis Type: WATER

Injection Date: 24-APR-2007 11:39
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.4900	10.2	50.0	
0	1,4-Dichlorobenzene	5.0000	4.9232	1.5	50.0	
0	n-Butylbenzene	5.0000	4.2687	14.6	50.0	
0	1,2-Dichlorobenzene	5.0000	5.2463	4.9	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	1.6541	66.9	50.0	<- MR
0	1,2,4-Trichlorobenzene	5.0000	5.4277	8.6	50.0	
0	Hexachlorobutadiene	5.0000	4.4485	11.0	50.0	
42	Vinyl acetate	5.0000	3.5791	28.4	50.0	
59	1,4-Dioxane	250.0000	198.8428	20.5	50.0	
150	Vinyl Acetate-86	5.0000	2.9977	40.0	50.0	
0	1,2-Dichloroethane-d4	5.0000	44.0424	780.8	50.0	<-
0	Dibromofluoromethane	5.0000	45.9746	819.5	50.0	<-
0	Toluene-d8	5.0000	47.3935	847.9	50.0	<-
0	Bromofluorobenzene	5.0000	51.0443	920.9	50.0	<-

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2764.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2764.D
Analysis Type: WATER

Injection Date: 24-APR-2007 19:58
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A

QCMRL closer

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Fluorobenzene	50.0000	50.0000	0.0	50.0	
0	Chlorobenzene-d5	50.0000	50.0000	0.0	50.0	
0	1,4-Dichlorobenzene-d4	50.0000	50.0000	0.0	50.0	
0	1,3,5-Trichlorobenzene	5.0000	4.5185	9.6	50.0	
0	Methylcyclohexane	5.0000	4.8699	2.6	50.0	
0	Methyl Acetate	10.0000	9.6749	3.3	50.0	
0	Cyclohexane	5.0000	5.1637	3.3	50.0	
0	Dichlorodifluoromethane	5.0000	5.0289	0.6	50.0	
0	Chloromethane	5.0000	5.3678	7.4	50.0	
0	Vinyl Chloride	5.0000	4.7066	5.9	20.0	
0	Bromomethane	5.0000	5.5403	10.8	50.0	
0	Chloroethane	5.0000	5.0863	1.7	50.0	
0	Trichlorofluoromethane	5.0000	4.9280	1.4	50.0	
0	Acrolein	50.0000	37.8765	24.2	50.0	
0	Acetone	10.0000	9.1458	8.5	50.0	
0	1,1-Dichloroethene	5.0000	4.5439	9.1	20.0	
0	Freon-113	5.0000	4.3987	12.0	50.0	
0	Iodomethane	5.0000	4.2480	15.0	50.0	
0	Carbon Disulfide	5.0000	4.3405	13.2	50.0	
0	Methylene Chloride	5.0000	6.5197	30.4	50.0	130.4
0	Acetonitrile	50.0000	52.2138	4.4	50.0	
0	Acrylonitrile	50.0000	47.2199	5.6	50.0	
0	Methyl tert-butyl ether	5.0000	3.9342	21.3	50.0	
0	trans-1,2-Dichloroethene	5.0000	4.6703	6.6	50.0	
0	Hexane	5.0000	4.6923	6.2	20.0	
0	1,2,3-Trichlorobenzene	5.0000	10.1072	102.1	50.0	<-
0	1,1-Dichloroethane	5.0000	5.1486	3.0	50.0	
0	tert-Butyl Alcohol	100.0000	76.9877	23.0	50.0	
0	2-Butanone	10.0000	9.0358	9.6	50.0	
0	1,2-Dichloroethene (total)	10.0000	9.2704	7.3	50.0	
0	cis-1,2-dichloroethene	5.0000	4.6001	8.0	50.0	
0	2,2-Dichloropropane	5.0000	2.9753	40.5	50.0	
0	Bromochloromethane	5.0000	4.6773	6.5	50.0	
0	Chloroform	5.0000	4.6209	7.6	20.0	
0	Tetrahydrofuran	5.0000	5.8507	17.0	50.0	
0	1,1,1-Trichloroethane	5.0000	4.2329	15.3	50.0	
0	1,1-Dichloropropene	5.0000	4.6279	7.4	50.0	
0	Carbon Tetrachloride	5.0000	2.9030	41.9	50.0	58.1
0	1,2-Dichloroethane	5.0000	4.5069	9.9	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2764.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2764.D
Analysis Type: WATER

Injection Date: 24-APR-2007 19:58
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	Benzene	5.0000	4.8542	2.9	50.0	
0	Trichloroethene	5.0000	4.4565	10.9	50.0	
0	1,2-Dichloropropane	5.0000	4.0291	19.4	20.0	
0	Naphthalene	5.0000	7.3507	47.0	50.0	
0	Dibromomethane	5.0000	4.2137	15.7	50.0	
0	Bromodichloromethane	5.0000	3.4134	31.7	50.0	68.3
0	2-Chloroethyl vinyl ether	10.0000	7.6813	23.2	50.0	
0	cis-1,3-Dichloropropene	5.0000	3.0119	39.8	50.0	60.2
0	4-Methyl-2-pentanone	10.0000	7.9307	20.7	50.0	
0	Toluene	5.0000	4.4882	10.2	20.0	
0	trans-1,3-Dichloropropene	5.0000	2.3306	53.4	50.0	<-46.6
0	Ethyl Methacrylate	5.0000	2.5442	49.1	50.0	
0	1,1,2-Trichloroethane	5.0000	4.2755	14.5	50.0	
0	1,3-Dichloropropane	5.0000	4.2855	14.3	50.0	
0	Tetrachloroethene	5.0000	4.9872	0.3	50.0	
0	2-Hexanone	10.0000	8.7512	12.5	50.0	
0	Dibromochloromethane	5.0000	2.8736	42.5	50.0	57.5
0	1,2-Dibromoethane	5.0000	3.9262	21.5	50.0	
0	Chlorobenzene	5.0000	4.5302	9.4	50.0	
0	1,1,1,2-Tetrachloroethane	5.0000	2.5839	48.3	50.0	
0	Ethylbenzene	5.0000	4.3218	13.6	20.0	
0	m + p-Xylene	10.0000	8.6739	13.3	50.0	
0	Xylenes (total)	15.0000	13.0548	13.0	50.0	
0	Xylene-o	5.0000	4.3809	12.4	50.0	
0	Styrene	5.0000	4.0619	18.8	50.0	
0	Bromoform	5.0000	2.9192	41.6	50.0	58.4
0	Isopropylbenzene	5.0000	4.2304	15.4	50.0	
0	1,1,2,2-Tetrachloroethane	5.0000	3.9930	20.1	50.0	
0	1,4-Dichloro-2-butene	5.0000	0.0000	100.0	50.0	<- NR
0	1,2,3-Trichloropropane	5.0000	4.5028	9.9	50.0	
0	Bromobenzene	5.0000	0.0000	100.0	50.0	<- NR
0	n-Propylbenzene	5.0000	4.1988	16.0	50.0	
0	2-Chlorotoluene	5.0000	4.4706	10.6	50.0	
0	1,3,5-Trimethylbenzene	5.0000	3.9501	21.0	50.0	
0	4-Chlorotoluene	5.0000	3.6493	27.0	50.0	
0	tert-Butylbenzene	5.0000	3.8821	22.4	50.0	
0	1,2,4-Trimethylbenzene	5.0000	3.8293	23.4	50.0	
0	sec-Butylbenzene	5.0000	4.0540	18.9	50.0	
0	4-Isopropyltoluene	5.0000	4.1364	17.3	50.0	

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b/UXJ2764.D
Report Date: 04/25/2007

CONTINUING CALIBRATION COMPOUNDS
PERCENT DRIFT REPORT

Instrument ID: a3ux11.i
Lab File ID: UXJ2764.D
Analysis Type: WATER

Injection Date: 24-APR-2007 19:58
Lab Sample ID: QCMRL
Method File: \\cansvr11\dd\chem\MSV\a3ux11.i\

	COMPOUND	EXPECTED CONC.	MEASURED CONC.	%D	MAX %D	
0	1,3-Dichlorobenzene	5.0000	4.6256	7.5	50.0	
0	1,4-Dichlorobenzene	5.0000	4.8267	3.5	50.0	
0	n-Butylbenzene	5.0000	4.0574	18.9	50.0	
0	1,2-Dichlorobenzene	5.0000	4.6253	7.5	50.0	
0	1,2-Dibromo-3-chloropropane	5.0000	1.6809	66.4	50.0	<-
0	1,2,4-Trichlorobenzene	5.0000	4.9184	1.6	50.0	
0	Hexachlorobutadiene	5.0000	4.0299	19.4	50.0	
42	Vinyl acetate	5.0000	2.8688	42.6	50.0	
59	1,4-Dioxane	250.0000	165.8672	33.7	50.0	
150	Vinyl Acetate-86	5.0000	3.0346	39.3	50.0	
0	1,2-Dichloroethane-d4	5.0000	43.3091	766.2	50.0	<-
0	Dibromofluoromethane	5.0000	47.3705	847.4	50.0	<-
0	Toluene-d8	5.0000	47.4259	848.5	50.0	<-
0	Bromofluorobenzene	5.0000	49.8139	896.3	50.0	<-

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AA **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114116
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromochloromethane	ND	1.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	**0.21 J,B**	**2.0**	**ug/L**
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	1.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	**0.76 J**	**1.0**	**ug/L**
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

(Continued on next page)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Volatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AA **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	101	(50 - 150)
Toluene-d8	94	(50 - 150)
4-Bromofluorobenzene	82	(50 - 150)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

FWGEQUIPRinse1-0456-GW

GC/MS Volatiles

Lot-Sample #: A7D180106-015 **Work Order #:** JT4M61AA **Matrix:** WQ

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT	RETENTION TIME	UNITS
None				ug/L

Method Blank Outlier Report

Lab Reporting Batch : A7D170102
Lab ID: STLCAN
Analysis Method : 8260B
Analysis Date : 04/24/2007
Preparation Type : 5030B
Preparation Date : 04/24/2007
Method Blank Lab Sample ID : A7D240000103B
Preparation Batch : 7114103

Methylene chloride	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.45	2.0	ug/L	J	Common Contaminant

Result less than ½ MRL; acceptable per LCG NO Qual DHW 6/20/07

Methylene chloride was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGTEAM1-TRIP	A7D170102017	1	0.40	J B	ug/L
FWGTEAM2-TRIP	A7D170102018	1	0.46	J B	ug/L
FWGTEAM3-TRIP	A7D170102019	1	0.40	J B	ug/L

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JVHL61AA **Matrix.....:** WATER
MB Lot-Sample #: A7D240000-103

Prep Date.....: 04/24/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 04/24/07 **Prep Batch #...:** 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Bromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	**0.45 J**	**2.0**	**ug/L**	**SW846 8260B**
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	1.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JVHL61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Toluene-d8	93	(50 - 150)		
4-Bromofluorobenzene	99	(50 - 150)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7114103 **Analysis Method :** 8260B **Analysis Date :** 04/24/2007

Preparation Batch : 7114103 **Preparation Type :** 5030B **Preparation Date :** 04/24/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
A7D240000103C	AQ	cis-1,3-Dichloropropene	65		30.00	73.00	132.00	30.00
		trans-1,3-Dichloropropene	59		30.00	74.00	131.00	30.00
A7D240000103L		Carbon tetrachloride	70	1.8	30.00	71.00	132.00	30.00
		cis-1,3-Dichloropropene	66	1.8	30.00	73.00	132.00	30.00
		trans-1,3-Dichloropropene	59	0.88	30.00	74.00	131.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGLL1mw-078C-0419-GW	A7D170102005
FWGLL1mw-080C-0420-GW	A7D170102007
FWGLL3mw-238C-0425-GW	A7D170102003
FWGLL4mw-199C-0428-GW	A7D170102001
FWGRQLmw-007C-0441-GW	A7D170102011
FWGRQLmw-008C-0442-GW	A7D170102013
FWGRQLmw-009C-0443-GW	A7D170102015
FWGRQLmw-DUP1-0447-GW	A7D170102009
FWGTEAM1-TRIP	A7D170102017
FWGTEAM2-TRIP	A7D170102018
FWGTEAM3-TRIP	A7D170102019

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JVHL61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-103 JVHL61AD-LCSD
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	80	(75 - 127)			SW846 8260B
	82	(75 - 127)	2.6	(0-30)	SW846 8260B
Chloromethane	84	(58 - 135)			SW846 8260B
	84	(58 - 135)	0.83	(0-30)	SW846 8260B
Bromomethane	84	(35 - 153)			SW846 8260B
	83	(35 - 153)	0.87	(0-30)	SW846 8260B
Vinyl chloride	82	(73 - 134)			SW846 8260B
	79	(73 - 134)	3.2	(0-30)	SW846 8260B
Chloroethane	91	(72 - 129)			SW846 8260B
	90	(72 - 129)	1.5	(0-30)	SW846 8260B
Methylene chloride	86	(69 - 118)			SW846 8260B
	84	(69 - 118)	3.1	(0-30)	SW846 8260B
Acetone	101	(51 - 157)			SW846 8260B
	102	(51 - 157)	1.4	(0-30)	SW846 8260B
Carbon disulfide	92	(74 - 123)			SW846 8260B
	92	(74 - 123)	0.18	(0-30)	SW846 8260B
1,1-Dichloroethene	**88**	**(75 - 125)**			**SW846 8260B**
	90	**(75 - 125)**	**1.9**	**(0-30)**	**SW846 8260B**
1,1-Dichloroethane	98	(75 - 133)			SW846 8260B
	96	(75 - 133)	2.6	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	93	(85 - 111)			SW846 8260B
	91	(85 - 111)	1.3	(0-30)	SW846 8260B
Chloroform	91	(74 - 127)			SW846 8260B
	90	(74 - 127)	0.83	(0-30)	SW846 8260B
1,2-Dichloroethane	88	(67 - 132)			SW846 8260B
	88	(67 - 132)	0.13	(0-30)	SW846 8260B
2-Butanone	88	(45 - 150)			SW846 8260B
	89	(45 - 150)	0.67	(0-30)	SW846 8260B
1,1,1-Trichloroethane	81	(70 - 127)			SW846 8260B
	80	(70 - 127)	2.0	(0-30)	SW846 8260B
Carbon tetrachloride	72	(71 - 132)			SW846 8260B
	70 a	(71 - 132)	1.8	(0-30)	SW846 8260B
Bromodichloromethane	76	(70 - 130)			SW846 8260B
	78	(70 - 130)	2.1	(0-30)	SW846 8260B
1,2-Dichloropropane	88	(75 - 127)			SW846 8260B
	84	(75 - 127)	4.5	(0-30)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JVHL61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-103 JVHL61AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
cis-1,3-Dichloropropene	65 a	(73 - 132)			SW846 8260B
	66 a	(73 - 132)	1.8	(0-30)	SW846 8260B
Trichloroethene	**92**	**(67 - 128)**			**SW846 8260B**
	91	**(67 - 128)**	**1.2**	**(0-30)**	**SW846 8260B**
Dibromochloromethane	81	(74 - 145)			SW846 8260B
	81	(74 - 145)	0.58	(0-30)	SW846 8260B
1,1,2-Trichloroethane	85	(75 - 136)			SW846 8260B
	86	(75 - 136)	1.0	(0-30)	SW846 8260B
Benzene	**90**	**(75 - 126)**			**SW846 8260B**
	88	**(75 - 126)**	**2.5**	**(0-30)**	**SW846 8260B**
trans-1,3-Dichloropropene	59 a	(74 - 131)			SW846 8260B
	59 a	(74 - 131)	0.88	(0-30)	SW846 8260B
Bromoform	81	(72 - 136)			SW846 8260B
	80	(72 - 136)	1.1	(0-30)	SW846 8260B
4-Methyl-2-pentanone	82	(59 - 150)			SW846 8260B
	80	(59 - 150)	1.6	(0-30)	SW846 8260B
2-Hexanone	94	(53 - 139)			SW846 8260B
	94	(53 - 139)	0.68	(0-30)	SW846 8260B
Tetrachloroethene	91	(75 - 129)			SW846 8260B
	87	(75 - 129)	4.0	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	84	(68 - 129)			SW846 8260B
	80	(68 - 129)	5.1	(0-30)	SW846 8260B
Toluene	**91**	**(75 - 125)**			**SW846 8260B**
	92	**(75 - 125)**	**1.4**	**(0-30)**	**SW846 8260B**
Chlorobenzene	**91**	**(75 - 127)**			**SW846 8260B**
	90	**(75 - 127)**	**1.1**	**(0-30)**	**SW846 8260B**
Ethylbenzene	91	(75 - 120)			SW846 8260B
	91	(75 - 120)	0.46	(0-30)	SW846 8260B
Styrene	96	(75 - 130)			SW846 8260B
	96	(75 - 130)	0.56	(0-30)	SW846 8260B
Xylenes (total)	95	(90 - 114)			SW846 8260B
	94	(90 - 114)	0.49	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	95	(73 - 133)			SW846 8260B
	94	(73 - 133)	1.8	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	90	(75 - 134)			SW846 8260B
	89	(75 - 134)	0.69	(0-30)	SW846 8260B
n-Hexane	103	(69 - 129)			SW846 8260B
	103	(69 - 129)	0.19	(0-30)	SW846 8260B
1,2-Dibromo-3-chloro-propane	64 a	(75 - 132)			SW846 8260B
	65 a	(75 - 132)	0.60	(0-30)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JVHL61AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7D240000-103 JVHL61AD-LCSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	94	(73 - 120)			SW846 8260B
	94	(73 - 120)	0.89	(0-30)	SW846 8260B
1,3-Dichlorobenzene	91	(75 - 122)			SW846 8260B
	90	(75 - 122)	1.4	(0-30)	SW846 8260B
1,4-Dichlorobenzene	95	(74 - 123)			SW846 8260B
	96	(74 - 123)	1.0	(0-30)	SW846 8260B
Dichlorodifluoromethane	75	(59 - 134)			SW846 8260B
	74	(59 - 134)	2.0	(0-30)	SW846 8260B
Freon 113	101	(50 - 150)			SW846 8260B
	102	(50 - 150)	1.1	(0-30)	SW846 8260B
Isopropylbenzene	107	(75 - 126)			SW846 8260B
	105	(75 - 126)	1.8	(0-30)	SW846 8260B
Methyl acetate	86	(60 - 140)			SW846 8260B
	84	(60 - 140)	2.0	(0-20)	SW846 8260B
Methylcyclohexane	94	(60 - 140)			SW846 8260B
	87	(60 - 140)	7.8	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	90	(59 - 129)			SW846 8260B
	92	(59 - 129)	2.6	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	107	(75 - 130)			SW846 8260B
	106	(75 - 130)	1.4	(0-30)	SW846 8260B
Trichlorofluoromethane	97	(68 - 133)			SW846 8260B
	95	(68 - 133)	2.1	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(50 - 150)
	92	(50 - 150)
1,2-Dichloroethane-d4	90	(50 - 150)
	91	(50 - 150)
Toluene-d8	96	(50 - 150)
	97	(50 - 150)
4-Bromofluorobenzene	104	(50 - 150)
	104	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2737.D
Report Date: 24-Apr-2007 10:00

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2737.D
Lab Smp Id: LCS
Inj Date : 24-APR-2007 09:45
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCS
Misc Info : J70424A,8260LLUX11,,43582,3 A7D2406008103C
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\8260LLUX11.m
Meth Date : 24-Apr-2007 09:39 a3ux11.i Quant Type: ISTD
Cal Date : 04-APR-2007 18:35 Cal File: UXJ2407.D
Als bottle: 4 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.141	5.141	(1.000)	1206214	50.0000	
*	2 Chlorobenzene-d5	117	7.792	7.791	(1.000)	951957	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.028	10.028	(1.000)	572932	50.0000	
$	4 Dibromofluoromethane	113	4.573	4.573	(0.890)	227807	46.5248	9.305
$	5 1,2-Dichloroethane-d4	65	4.857	4.857	(0.945)	311695	45.1181	9.024
$	6 Toluene-d8	98	6.490	6.478	(0.833)	1021950	48.1923	9.638
$	7 Bromofluorobenzene	95	8.892	8.892	(1.141)	411425	52.0417	10.408
	8 Dichlorodifluoromethane	85	1.556	1.555	(0.303)	245211	37.5457	7.509
	9 Chloromethane	50	1.698	1.697	(0.330)	402992	42.2221	8.444
	10 Vinyl Chloride	62	1.804	1.804	(0.351)	395323	40.9552	8.191
	11 Bromomethane	94	2.088	2.076	(0.406)	232467	42.0862	8.417
	12 Chloroethane	64	2.171	2.171	(0.422)	269167	45.4521	9.090
	13 Trichlorofluoromethane	101	2.372	2.372	(0.461)	494261	48.4160	9.683
	15 Acrolein	56	2.692	2.691	(0.524)	598766	606.356	121.27
	16 Acetone	43	2.810	2.810	(0.547)	130633	50.3600	10.072
	17 1,1-Dichloroethene	96	2.774	2.786	(0.540)	296084	44.0614	8.812
	18 Freon-113	151	2.798	2.798	(0.544)	270566	50.3194	10.064
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.976	2.975	(0.579)	1008441	46.0202	9.204
	21 Methylene Chloride	84	3.165	3.165	(0.616)	342063	43.0848	8.617

22 Acetonitrile	41	3.035	3.035 (0.590)	419283	446.784	89.357
23 Acrylonitrile	53	3.366	3.366 (0.655)	1168996	467.451	93.490

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2737.D
Report Date: 24-Apr-2007 10:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.390	3.390	(0.659)	875800	45.0699	9.014
	25 trans-1,2-Dichloroethene	96	3.390	3.390	(0.659)	305829	44.8771	8.975
	26 Hexane	86	3.603	3.603	(0.701)	69316	51.3936	10.279
	27 Vinyl acetate	43	3.603	3.756	(0.701)	248274	26.3310	5.266
	28 1,1-Dichloroethane	63	3.721	3.733	(0.724)	487953	49.2465	9.849
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.206	4.206	(0.818)	119149	44.0723	8.814
M	31 1,2-Dichloroethene (total)	96				585340	92.5838	18.517
	32 cis-1,2-dichloroethene	96	4.194	4.194	(0.816)	279511	47.7067	9.541
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.443	4.443	(0.864)	445158	45.3144	9.063
	36 Tetrahydrofuran	42	Compound Not Detected.					
	37 1,1,1-Trichloroethane	97	4.609	4.608	(0.896)	290580	40.7283	8.146
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.751	4.750	(0.924)	181037	35.8429	7.168
	40 1,2-Dichloroethane	62	4.928	4.928	(0.959)	388448	44.1925	8.838
	41 Benzene	78	4.916	4.916	(0.956)	1111471	45.2081	9.042
	42 Trichloroethene	130	5.449	5.449	(1.060)	286488	45.8518	9.170
	43 1,2-Dichloropropane	63	5.638	5.638	(1.097)	282782	43.8669	8.773
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.863	5.863	(1.140)	268550	38.0533	7.611
	47 2-Chloroethyl vinyl ether	63	6.100	6.099	(1.186)	185975	42.8859	8.577
	48 cis-1,3-Dichloropropene	75	6.242	6.241	(1.214)	332873	32.5198	6.504
	49 4-Methyl-2-pentanone	43	6.372	6.371	(1.239)	257736	40.8822	8.176
	50 Toluene	91	6.549	6.537	(0.841)	1225226	45.2861	9.057
	51 trans-1,3-Dichloropropene	75	6.727	6.726	(0.863)	251971	29.4091	5.882
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.892	6.892	(0.885)	229854	42.3519	8.470
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.034	7.034	(0.903)	224114	45.4585	9.092
	56 2-Hexanone	43	7.105	7.105	(0.912)	177038	47.1732	9.435
	57 Dibromochloromethane	129	7.259	7.259	(0.932)	168127	40.5400	8.108
	58 1,2-Dibromoethane	107	7.366	7.365	(0.945)	215580	40.1640	8.033
	59 Chlorobenzene	112	7.815	7.815	(1.003)	813518	45.6437	9.129
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.910	7.910	(1.015)	442726	45.3809	9.076
	62 m + p-Xylene	106	8.016	8.016	(1.029)	1093508	92.7751	18.555
M	63 Xylenes (total)	106				1638751	142.011	28.402
	64 Xylene-o	106	8.395	8.395	(1.077)	545243	49.2364	9.847
	65 Styrene	104	8.407	8.407	(1.079)	936199	48.2298	9.646
	66 Bromoform	173	8.584	8.596	(1.102)	84152	40.6413	8.128
	67 Isopropylbenzene	105	8.750	8.750	(1.123)	1414208	53.4766	10.695
	68 1,1,2,2-Tetrachloroethane	83	9.022	9.022	(0.900)	324462	42.1015	8.420
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2738.D
Report Date: 24-Apr-2007 10:23

STL North Canton

VOLATILE REPORT SW-846 Method

Data file : \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2738.D
Lab Smp Id: LCSD
Inj Date : 24-APR-2007 10:08
Operator : 43582 Inst ID: a3ux11.i
Smp Info : LCSD
Misc Info : J70424A,8260LLUX11,,43582,3 A7D2640000183L
Comment :
Method : \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\8260LLUX11.m
Meth Date : 24-Apr-2007 09:39 a3ux11.i Quant Type: ISTD
Cal Date : 04-APR-2007 18:35 Cal File: UXJ2407.D
Als bottle: 5 QC Sample: METHSPIKE
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 4-8260+IX.sub
Target Version: 4.14
Processing Host: CANSVR11

Concentration Formula: Amt * DF * 1/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	Sample volume
Va	100.000	Injection Volume
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
*	1 Fluorobenzene	96	5.141	5.141	(1.000)	1204696	50.0000	
*	2 Chlorobenzene-d5	117	7.791	7.791	(1.000)	941642	50.0000	
*	3 1,4-Dichlorobenzene-d4	152	10.028	10.028	(1.000)	581974	50.0000	
$	4 Dibromofluoromethane	113	4.585	4.573	(0.892)	224882	45.9853	9.197
$	5 1,2-Dichloroethane-d4	65	4.857	4.857	(0.945)	312736	45.3258	9.065
$	6 Toluene-d8	98	6.490	6.478	(0.833)	1018244	48.5436	9.709
$	7 Bromofluorobenzene	95	8.892	8.892	(1.141)	407663	52.1307	10.426
	8 Dichlorodifluoromethane	85	1.555	1.555	(0.303)	239936	36.7843	7.357
	9 Chloromethane	50	1.697	1.697	(0.330)	399121	41.8692	8.374
	10 Vinyl Chloride	62	1.804	1.804	(0.351)	382196	39.6452	7.929
	11 Bromomethane	94	2.088	2.076	(0.406)	230159	41.7209	8.344
	12 Chloroethane	64	2.171	2.171	(0.422)	264918	44.7910	8.958
	13 Trichlorofluoromethane	101	2.372	2.372	(0.461)	483447	47.4164	9.483
	15 Acrolein	56	2.691	2.691	(0.524)	594817	603.116	120.62
	16 Acetone	43	2.810	2.810	(0.547)	132006	51.0748	10.215
	17 1,1-Dichloroethene	96	2.774	2.786	(0.540)	301275	44.8904	8.978
	18 Freon-113	151	2.798	2.798	(0.544)	273137	50.8615	10.172
	19 Iodomethane	142	Compound Not Detected.					
	20 Carbon Disulfide	76	2.975	2.975	(0.579)	1009056	46.1063	9.221
	21 Methylene Chloride	84	3.165	3.165	(0.616)	331197	41.7688	8.354

22 Acetonitrile	41	3.035	3.035 (0.590)	431129	459.985	91.997
23 Acrylonitrile	53	3.366	3.366 (0.655)	1183879	473.999	94.800

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2738.D
Report Date: 24-Apr-2007 10:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/L)
	24 Methyl tert-butyl ether	73	3.390	3.390	(0.659)	897350	46.2371	9.247
	25 trans-1,2-Dichloroethene	96	3.390	3.390	(0.659)	303314	44.5642	8.913
	26 Hexane	86	3.603	3.603	(0.701)	69097	51.2958	10.259
	27 Vinyl acetate	43	3.603	3.756	(0.701)	236794	25.1452	5.029
	28 1,1-Dichloroethane	63	3.733	3.733	(0.726)	474650	47.9642	9.593
	29 tert-Butyl Alcohol	59	Compound Not Detected.					
	30 2-Butanone	43	4.206	4.206	(0.818)	119808	44.3719	8.874
M	31 1,2-Dichloroethene (total)	96				577357	91.3965	18.279
	32 cis-1,2-dichloroethene	96	4.194	4.194	(0.816)	274043	46.8323	9.366
	33 2,2-Dichloropropane	77	Compound Not Detected.					
	34 Bromochloromethane	128	Compound Not Detected.					
	35 Chloroform	83	4.443	4.443	(0.864)	440903	44.9379	8.988
	36 Tetrahydrofuran	42	4.206	4.431	(0.818)	6526	3.78103	0.7562
	37 1,1,1-Trichloroethane	97	4.608	4.608	(0.896)	284400	39.9123	7.982
	38 1,1-Dichloropropene	75	Compound Not Detected.					
	39 Carbon Tetrachloride	117	4.750	4.750	(0.924)	177477	35.1823	7.036
	40 1,2-Dichloroethane	62	4.928	4.928	(0.959)	388464	44.2500	8.850
	41 Benzene	78	4.916	4.916	(0.956)	1082606	44.0896	8.818
	42 Trichloroethene	130	5.449	5.449	(1.060)	282734	45.3080	9.062
	43 1,2-Dichloropropane	63	5.638	5.638	(1.097)	269933	41.9264	8.385
	44 1,4-Dioxane	88	Compound Not Detected.					
	45 Dibromomethane	93	Compound Not Detected.					
	46 Bromodichloromethane	83	5.863	5.863	(1.140)	273939	38.8658	7.773
	47 2-Chloroethyl vinyl ether	63	6.099	6.099	(1.186)	179586	41.4648	8.293
	48 cis-1,3-Dichloropropene	75	6.241	6.241	(1.214)	338411	33.1025	6.620
	49 4-Methyl-2-pentanone	43	6.371	6.371	(1.239)	253298	40.2289	8.046
	50 Toluene	91	6.549	6.537	(0.841)	1229079	45.9261	9.185
	51 trans-1,3-Dichloropropene	75	6.726	6.726	(0.863)	251438	29.6683	5.934
	52 Ethyl Methacrylate	69	Compound Not Detected.					
	53 1,1,2-Trichloroethane	97	6.892	6.892	(0.885)	229678	42.7830	8.557
	54 1,3-Dichloropropane	76	Compound Not Detected.					
	55 Tetrachloroethene	164	7.034	7.034	(0.903)	213090	43.6959	8.739
	56 2-Hexanone	43	7.105	7.105	(0.912)	173937	46.8546	9.371
	57 Dibromochloromethane	129	7.259	7.259	(0.932)	165338	40.3043	8.061
	58 1,2-Dibromoethane	107	7.365	7.365	(0.945)	218929	41.2347	8.247
	59 Chlorobenzene	112	7.815	7.815	(1.003)	796081	45.1546	9.031
	60 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					
	61 Ethylbenzene	106	7.910	7.910	(1.015)	439951	45.5904	9.118
	62 m + p-Xylene	106	8.016	8.016	(1.029)	1074531	92.1637	18.433
M	63 Xylenes (total)	106				1612811	141.304	28.261
	64 Xylene-o	106	8.395	8.395	(1.077)	538280	49.1400	9.828
	65 Styrene	104	8.407	8.407	(1.079)	920841	47.9582	9.592
	66 Bromoform	173	8.596	8.596	(1.103)	82314	40.1891	8.038
	67 Isopropylbenzene	105	8.750	8.750	(1.123)	1373618	52.5107	10.502
	68 1,1,2,2-Tetrachloroethane	83	9.022	9.022	(0.900)	313274	40.0182	8.004
	69 1,4-Dichloro-2-butene	53	Compound Not Detected.					
	70 1,2,3-Trichloropropane	110	Compound Not Detected.					
	71 Bromobenzene	156	Compound Not Detected.					
	72 n-Propylbenzene	120	Compound Not Detected.					
	73 2-Chlorotoluene	126	Compound Not Detected.					
	74 1,3,5-Trimethylbenzene	105	Compound Not Detected.					
	75 4-Chlorotoluene	126	Compound Not Detected.					

76	tert-Butylbenzene	119	Compound Not Detected.
77	1,2,4-Trimethylbenzene	105	Compound Not Detected.

Data File: \\cansvr11\dd\chem\MSV\a3ux11.i\J70424A.b\UXJ2738.D
Report Date: 24-Apr-2007 10:23

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/L)
78	sec-Butylbenzene	105	Compound Not Detected.					
79	4-Isopropyltoluene	119	Compound Not Detected.					
80	1,3-Dichlorobenzene	146	9.957	9.957	(0.993)	735527	44.9630	8.992
81	1,4-Dichlorobenzene	146	10.052	10.052	(1.002)	803280	47.8716	9.574
82	n-Butylbenzene	91	Compound Not Detected.					
83	1,2-Dichlorobenzene	146	10.418	10.418	(1.039)	734820	46.7503	9.350
84	1,2-Dibromo-3-chloropropane	157	11.187	11.187	(1.116)	37355	32.2694	6.454
85	1,2,4-Trichlorobenzene	180	12.016	12.016	(1.198)	505505	52.7701	10.554
86	Hexachlorobutadiene	225	Compound Not Detected.					
87	Naphthalene	128	12.276	12.264	(1.224)	1639	3.38031	0.6761
88	1,2,3-Trichlorobenzene	180	Compound Not Detected.					
14	Dichlorofluoromethane	67	Compound Not Detected.					
89	Ethyl Ether	59	Compound Not Detected.					
91	3-Chloropropene	76	2.975	3.070	(0.579)	1009056	320.279	64.056
92	Isopropyl Ether	87	Compound Not Detected.					
93	2-Chloro-1,3-butadiene	53	Compound Not Detected.					
94	Propionitrile	54	Compound Not Detected.					
95	Ethyl Acetate	43	4.206	4.242	(0.818)	119808	23.1390	4.628
96	Methacrylonitrile	41	Compound Not Detected.					
97	Isobutanol	41	4.656	4.810	(0.598)	283005	3119.70	623.94
99	n-Butanol	56	Compound Not Detected.					
100	Methyl Methacrylate	41	5.626	5.709	(1.094)	375539	74.3579	14.872
101	2-Nitropropane	41	6.099	6.052	(1.186)	8095	20.9068	4.181
98	Cyclohexane	56	4.656	4.668	(0.906)	468449	48.4837	9.697
103	Cyclohexanone	55	8.845	8.845	(0.882)	85637	291.635	58.327
143	Methyl Acetate	43	3.082	3.082	(0.600)	236415	42.1128	8.422
144	Methylcyclohexane	83	5.614	5.614	(1.092)	397896	43.3188	8.664
141	1,3,5-Trichlorobenzene	180	Compound Not Detected.					
150	Vinyl Acetate-86	86	3.733	3.756	(0.726)	1413	1.58616	0.3172(a)
146	2-Methylnaphthalene	142	13.554	13.542	(1.352)	3709	0.27566	0.05513

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7114103 **Analysis Method :** 8260B **Analysis Date :** 04/24/2007

Preparation Batch : 7114103 **Preparation Type :** 5030B **Preparation Date :** 04/24/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGRQLmw-007C-0441	A7D170102011S	AQ	Bromodichloromethane	68		0.00	70.00	130.00	20.00
			Bromoform	63		0.00	70.00	130.00	20.00
			Carbon tetrachloride	58		0.00	70.00	130.00	20.00
			cis-1,3-Dichloropropene	58		0.00	70.00	130.00	20.00
			Dibromochloromethane	65		0.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene	52		0.00	70.00	130.00	20.00
FWGRQLmw-007C-0441	A7D170102011D		Bromodichloromethane	65		0.00	70.00	130.00	20.00
			Bromoform	63		0.00	70.00	130.00	20.00
			Carbon tetrachloride	61		0.00	70.00	130.00	20.00
			cis-1,3-Dichloropropene	54		0.00	70.00	130.00	20.00
			Dibromochloromethane	62		0.00	70.00	130.00	20.00
			trans-1,3-Dichloropropene	50		0.00	70.00	130.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGRQLmw-007C-0441-GW	A7D170102011

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AD-MSD
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7114103
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromoethane	77	(60 - 140)			SW846 8260B
	71	(60 - 140)	8.6	(0-20)	SW846 8260B
Chloromethane	79	(41 - 125)			SW846 8260B
	76	(41 - 125)	3.5	(0-30)	SW846 8260B
Bromomethane	80	(53 - 155)			SW846 8260B
	76	(53 - 155)	5.6	(0-30)	SW846 8260B
Vinyl chloride	80	(52 - 122)			SW846 8260B
	76	(52 - 122)	4.3	(0-30)	SW846 8260B
Chloroethane	86	(62 - 140)			SW846 8260B
	87	(62 - 140)	1.5	(0-30)	SW846 8260B
Methylene chloride	79	(70 - 129)			SW846 8260B
	75	(70 - 129)	4.8	(0-30)	SW846 8260B
Acetone	79	(10 - 166)			SW846 8260B
	78	(10 - 166)	1.6	(0-32)	SW846 8260B
Carbon disulfide	88	(66 - 135)			SW846 8260B
	87	(66 - 135)	0.11	(0-31)	SW846 8260B
1,1-Dichloroethene	**83**	**(57 - 138)**			**SW846 8260B**
	87	**(57 - 138)**	**4.3**	**(0-15)**	**SW846 8260B**
1,1-Dichloroethane	96	(84 - 121)			SW846 8260B
	88	(84 - 121)	8.1	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	88	(80 - 115)			SW846 8260B
	87	(80 - 115)	1.5	(0-30)	SW846 8260B
Chloroform	89	(85 - 124)			SW846 8260B
	85	(85 - 124)	5.3	(0-30)	SW846 8260B
1,2-Dichloroethane	87	(84 - 126)			SW846 8260B
	83 a	(84 - 126)	4.3	(0-30)	SW846 8260B
2-Butanone	85	(52 - 152)			SW846 8260B
	85	(52 - 152)	0.48	(0-30)	SW846 8260B
1,1,1-Trichloroethane	71 a	(78 - 128)			SW846 8260B
	74 a	(78 - 128)	4.0	(0-30)	SW846 8260B
Carbon tetrachloride	58 a	(80 - 125)			SW846 8260B
	61 a	(80 - 125)	5.7	(0-30)	SW846 8260B
Bromodichloromethane	68 a	(86 - 127)			SW846 8260B
	65 a	(86 - 127)	3.6	(0-30)	SW846 8260B
1,2-Dichloropropane	84	(83 - 121)			SW846 8260B
	81 a	(83 - 121)	3.5	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	58 a	(86 - 122)			SW846 8260B
	54 a	(86 - 122)	6.5	(0-30)	SW846 8260B

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Trichloroethene	**89**	**(58 - 141)**			**SW846 8260B**
	85	**(58 - 141)**	**3.8**	**(0-17)**	**SW846 8260B**
Dibromochloromethane	65 a	(85 - 124)			SW846 8260B
	62 a	(85 - 124)	4.4	(0-30)	SW846 8260B
1,1,2-Trichloroethane	86 a	(88 - 119)			SW846 8260B
	79 a	(88 - 119)	7.8	(0-30)	SW846 8260B
Benzene	**89**	**(73 - 123)**			**SW846 8260B**
	85	**(73 - 123)**	**5.2**	**(0-11)**	**SW846 8260B**
trans-1,3-Dichloropropene	52 a	(85 - 120)			SW846 8260B
	50 a	(85 - 120)	5.6	(0-30)	SW846 8260B
Bromoform	63 a	(79 - 135)			SW846 8260B
	63 a	(79 - 135)	0.41	(0-30)	SW846 8260B
4-Methyl-2-pentanone	81	(74 - 140)			SW846 8260B
	81	(74 - 140)	0.53	(0-30)	SW846 8260B
2-Hexanone	93	(57 - 148)			SW846 8260B
	92	(57 - 148)	1.2	(0-31)	SW846 8260B
Tetrachloroethene	90	(75 - 116)			SW846 8260B
	85	(75 - 116)	5.7	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	78	(74 - 144)			SW846 8260B
	77	(74 - 144)	1.1	(0-30)	SW846 8260B
Toluene	**92**	**(67 - 129)**			**SW846 8260B**
	84	**(67 - 129)**	**8.6**	**(0-14)**	**SW846 8260B**
Chlorobenzene	**91**	**(70 - 122)**			**SW846 8260B**
	83	**(70 - 122)**	**8.5**	**(0-14)**	**SW846 8260B**
Ethylbenzene	88	(86 - 113)			SW846 8260B
	82 a	(86 - 113)	7.2	(0-30)	SW846 8260B
Styrene	96	(87 - 115)			SW846 8260B
	88	(87 - 115)	9.1	(0-30)	SW846 8260B
Xylenes (total)	94	(88 - 114)			SW846 8260B
	88	(88 - 114)	5.8	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	90	(82 - 116)			SW846 8260B
	91	(82 - 116)	0.76	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	86	(77 - 115)			SW846 8260B
	82	(77 - 115)	4.0	(0-30)	SW846 8260B
n-Hexane	93	(57 - 129)			SW846 8260B
	114	(57 - 129)	20	(0-30)	SW846 8260B
Cyclohexane	95	(60 - 140)			SW846 8260B
	106	(60 - 140)	12	(0-20)	SW846 8260B
1,2-Dibromo-3-chloro-propane	53 a	(60 - 140)			SW846 8260B
	52 a	(60 - 140)	1.6	(0-20)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dichlorobenzene	91	(60 - 140)			SW846 8260B
	86	(60 - 140)	5.7	(0-20)	SW846 8260B
1,3-Dichlorobenzene	87	(60 - 140)			SW846 8260B
	84	(60 - 140)	4.0	(0-20)	SW846 8260B
1,4-Dichlorobenzene	89	(60 - 140)			SW846 8260B
	88	(60 - 140)	1.5	(0-20)	SW846 8260B
Dichlorodifluoromethane	69	(60 - 140)			SW846 8260B
	80	(60 - 140)	15	(0-20)	SW846 8260B
Freon 113	97	(60 - 140)			SW846 8260B
	115	(60 - 140)	17	(0-20)	SW846 8260B
Isopropylbenzene	103	(60 - 140)			SW846 8260B
	99	(60 - 140)	4.3	(0-20)	SW846 8260B
Methyl acetate	76	(60 - 140)			SW846 8260B
	80	(60 - 140)	5.6	(0-20)	SW846 8260B
Methylcyclohexane	88	(60 - 140)			SW846 8260B
	100	(60 - 140)	13	(0-20)	SW846 8260B
Methyl tert-butyl ether (MTBE)	87	(60 - 140)			SW846 8260B
	84	(60 - 140)	3.5	(0-20)	SW846 8260B
1,2,4-Trichloro-benzene	102	(60 - 140)			SW846 8260B
	98	(60 - 140)	3.9	(0-20)	SW846 8260B
Trichlorofluoromethane	89	(60 - 140)			SW846 8260B
	99	(60 - 140)	9.6	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(50 - 150)
	96	(50 - 150)
1,2-Dichloroethane-d4	87	(50 - 150)
	93	(50 - 150)
Toluene-d8	98	(50 - 150)
	96	(50 - 150)
4-Bromofluorobenzene	106	(50 - 150)
	105	(50 - 150)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

GCMS SEMIVOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AC **Matrix.....:** WG
Date Sampled...: 04/16/07 15:20 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 05/04/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	66	(32 - 112)
2-Fluorobiphenyl	64	(30 - 110)
Terphenyl-d14	81	(51 - 135)
Phenol-d5	62	(10 - 117)
2-Fluorophenol	61	(19 - 108)
2,4,6-Tribromophenol	70	(42 - 124)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AC **Matrix.....:** WG
Date Sampled...: 04/16/07 16:00 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 1040 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	**0.80 J,B**	**1.0**	**ug/L**
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**4.0 J,B**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(32 - 112)
2-Fluorobiphenyl	60	(30 - 110)
Terphenyl-d14	93	(51 - 135)
Phenol-d5	57	(10 - 117)
2-Fluorophenol	56	(19 - 108)
2,4,6-Tribromophenol	69	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT1191AC **Matrix.....:** WG
Date Sampled...: 04/16/07 16:05 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT1191AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	**0.81 J,B**	**1.0**	**ug/L**
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**2.4 J,B**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT1191AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	81	(32 - 112)
2-Fluorobiphenyl	76	(30 - 110)
Terphenyl-d14	95	(51 - 135)
Phenol-d5	71	(10 - 117)
2-Fluorophenol	71	(19 - 108)
2,4,6-Tribromophenol	69	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C1AC **Matrix.....:** WG
Date Sampled...: 04/16/07 14:20 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	**0.83 J,B**	**1.0**	**ug/L**
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**5.0 J,B**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	72	(30 - 110)
Terphenyl-d14	99	(51 - 135)
Phenol-d5	68	(10 - 117)
2-Fluorophenol	67	(19 - 108)
2,4,6-Tribromophenol	69	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AC **Matrix.....:** WG
Date Sampled...: 04/16/07 12:25 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 950 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**2.4 J,B**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	66	(32 - 112)
2-Fluorobiphenyl	68	(30 - 110)
Terphenyl-d14	97	(51 - 135)
Phenol-d5	56	(10 - 117)
2-Fluorophenol	57	(19 - 108)
2,4,6-Tribromophenol	71	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-011 **Work Order #...:** JT12G1AE **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 990 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-011 **Work Order #...:** JT12G1AE **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	**0.86 J,B**	**1.0**	**ug/L**
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**2.3 J,B**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-011 Work Order #...: JT12G1AE Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	71	(32 - 112)
2-Fluorobiphenyl	72	(30 - 110)
Terphenyl-d14	95	(51 - 135)
Phenol-d5	69	(10 - 117)
2-Fluorophenol	66	(19 - 108)
2,4,6-Tribromophenol	75	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AC **Matrix.....:** WG
Date Sampled...: 04/16/07 11:15 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	**0.83 J,B**	**1.0**	**ug/L**
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	**0.66**	**0.20**	**ug/L**
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.9 J,B**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AC **Matrix.....:** WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	79	(32 - 112)
2-Fluorobiphenyl	77	(30 - 110)
Terphenyl-d14	72	(51 - 135)
Phenol-d5	72	(10 - 117)
2-Fluorophenol	74	(19 - 108)
2,4,6-Tribromophenol	77	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-015 **Work Order #...:** JT12M1AC **Matrix.....:** WG
Date Sampled...: 04/16/07 12:10 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 1030 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-015 **Work Order #...:** JT12M1AC **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	**0.81 J,B**	**1.0**	**ug/L**
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	**1.6 J,B**	**10**	**ug/L**
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D170102-015 Work Order #...: JT12M1AC Matrix.....: WG

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	74	(32 - 112)
2-Fluorobiphenyl	71	(30 - 110)
Terphenyl-d14	96	(51 - 135)
Phenol-d5	68	(10 - 117)
2-Fluorophenol	67	(19 - 108)
2,4,6-Tribromophenol	73	(42 - 124)

NOTE(S):

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AC **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7108121
Dilution Factor: 1 **Initial Wgt/Vol:** 1020 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzoic acid	ND	10	ug/L
Benzyl alcohol	ND	5.0	ug/L
Phenol	ND	1.0	ug/L
bis(2-Chloroethyl)-ether	ND	1.0	ug/L
2-Chlorophenol	ND	1.0	ug/L
1,3-Dichlorobenzene	ND	1.0	ug/L
1,4-Dichlorobenzene	ND	1.0	ug/L
1,2-Dichlorobenzene	ND	1.0	ug/L
2-Methylphenol	ND	1.0	ug/L
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L
4-Methylphenol	ND	1.0	ug/L
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L
Hexachloroethane	ND	1.0	ug/L
Nitrobenzene	ND	1.0	ug/L
Isophorone	ND	1.0	ug/L
2-Nitrophenol	ND	2.0	ug/L
2,4-Dimethylphenol	ND	2.0	ug/L
bis(2-Chloroethoxy) methane	ND	1.0	ug/L
2,4-Dichlorophenol	ND	2.0	ug/L
1,2,4-Trichloro-benzene	ND	1.0	ug/L
Naphthalene	ND	0.20	ug/L
4-Chloroaniline	ND	2.0	ug/L
Hexachlorobutadiene	ND	1.0	ug/L
4-Chloro-3-methylphenol	ND	2.0	ug/L
2-Methylnaphthalene	ND	0.20	ug/L
Hexachlorocyclopenta-diene	ND	10	ug/L
2,4,6-Trichloro-phenol	ND	5.0	ug/L
2,4,5-Trichloro-phenol	ND	5.0	ug/L
2-Chloronaphthalene	ND	1.0	ug/L
2-Nitroaniline	ND	2.0	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-015 Work Order #...: JT4M61AC Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dimethyl phthalate	ND	1.0	ug/L
Acenaphthylene	ND	0.20	ug/L
2,6-Dinitrotoluene	ND	5.0	ug/L
3-Nitroaniline	ND	2.0	ug/L
2,4-Dinitrophenol	ND	5.0	ug/L
4-Nitrophenol	ND	5.0	ug/L
Dibenzofuran	ND	1.0	ug/L
2,4-Dinitrotoluene	ND	5.0	ug/L
Diethyl phthalate	ND	1.0	ug/L
4-Chlorophenyl phenyl ether	ND	2.0	ug/L
Fluorene	ND	0.20	ug/L
4-Nitroaniline	ND	2.0	ug/L
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L
N-Nitrosodiphenylamine	ND	1.0	ug/L
4-Bromophenyl phenyl ether	ND	2.0	ug/L
Hexachlorobenzene	ND	0.20	ug/L
Pentachlorophenol	ND	5.0	ug/L
Phenanthrene	ND	0.20	ug/L
Anthracene	ND	0.20	ug/L
Carbazole	ND	1.0	ug/L
Di-n-butyl phthalate	ND	1.0	ug/L
Fluoranthene	ND	0.20	ug/L
Pyrene	ND	0.20	ug/L
Butyl benzyl phthalate	ND	1.0	ug/L
3,3'-Dichlorobenzidine	ND	5.0	ug/L
Benzo(a)anthracene	ND	0.20	ug/L
Chrysene	ND	0.20	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	1.0	ug/L
Benzo(b)fluoranthene	ND	0.20	ug/L
Benzo(k)fluoranthene	ND	0.20	ug/L
Benzo(a)pyrene	ND	0.20	ug/L
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L
Dibenz(a,h)anthracene	ND	0.20	ug/L
Benzo(ghi)perylene	ND	0.20	ug/L
Acenaphthene	ND	0.20	ug/L

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC/MS Semivolatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AC **Matrix.....:** WQ

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(32 - 112)
2-Fluorobiphenyl	70	(30 - 110)
Terphenyl-d14	92	(51 - 135)
Phenol-d5	57	(10 - 117)
2-Fluorophenol	30	(19 - 108)
2,4,6-Tribromophenol	60	(42 - 124)

Method Blank Outlier Report

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

Analysis Method : 8270C **Analysis Date :** 04/20/2007

Preparation Type : 3520C **Preparation Date :** 04/17/2007

Method Blank Lab Sample ID : A7D170000304B **Preparation Batch :** 7107304

bis(2-Ethylhexyl) phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	1.9	10	ug/L	J	Common Contaminant

Result less than 1/2 MRL; acceptable per CCG, QWO final 6/22/07

bis(2-Ethylhexyl) phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGLL1mw-078C-0419-GW	A7D170102005	1	2.4	J B	ug/L
FWGLL1mw-080C-0420-GW	A7D170102007	1	5.0	J B	ug/L
FWGLL3mw-238C-0425-GW	A7D170102003	1	4.0	J B	ug/L
FWGRQLmw-007C-0441-G	A7D170102011	1	2.3	J B	ug/L
FWGRQLmw-008C-0442-G	A7D170102013	1	1.9	J B	ug/L
FWGRQLmw-009C-0443-G	A7D170102015	1	1.6	J B	ug/L
FWGRQLmw-DUP1-0447-G	A7D170102009	1	2.4	J B	ug/L

Diethyl phthalate	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.87	1.0	ug/L	J	Common Contaminant

Diethyl phthalate was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGLL1mw-078C-0419-GW	A7D170102005	1	0.81	J B	ug/L
FWGLL1mw-080C-0420-GW	A7D170102007	1	0.83	J B	ug/L
FWGLL3mw-238C-0425-GW	A7D170102003	1	0.80	J B	ug/L
FWGRQLmw-007C-0441-G	A7D170102011	1	0.86	J B	ug/L
FWGRQLmw-008C-0442-G	A7D170102013	1	0.83	J B	ug/L
FWGRQLmw-009C-0443-G	A7D170102015	1	0.81	J B	ug/L

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3AD1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D170000-304

Prep Date.....: 04/17/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/20/07 **Prep Batch #...:** 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzoic acid	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	5.0	ug/L	SW846 8270C
Phenol	ND	1.0	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	1.0	ug/L	SW846 8270C
2-Chlorophenol	ND	1.0	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8270C
2-Methylphenol	ND	1.0	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro-propane)	ND	1.0	ug/L	SW846 8270C
4-Methylphenol	ND	1.0	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	1.0	ug/L	SW846 8270C
Hexachloroethane	ND	1.0	ug/L	SW846 8270C
Nitrobenzene	ND	1.0	ug/L	SW846 8270C
Isophorone	ND	1.0	ug/L	SW846 8270C
2-Nitrophenol	ND	2.0	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	2.0	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	1.0	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	2.0	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8270C
Naphthalene	ND	0.20	ug/L	SW846 8270C
4-Chloroaniline	ND	2.0	ug/L	SW846 8270C
Hexachlorobutadiene	ND	1.0	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	2.0	ug/L	SW846 8270C
2-Methylnaphthalene	ND	0.20	ug/L	SW846 8270C
Hexachlorocyclopenta-diene	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	5.0	ug/L	SW846 8270C
2-Chloronaphthalene	ND	1.0	ug/L	SW846 8270C
2-Nitroaniline	ND	2.0	ug/L	SW846 8270C
Dimethyl phthalate	ND	1.0	ug/L	SW846 8270C
Acenaphthylene	ND	0.20	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3AD1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3-Nitroaniline	ND	2.0	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	5.0	ug/L	SW846 8270C
4-Nitrophenol	ND	5.0	ug/L	SW846 8270C
Dibenzofuran	ND	1.0	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	5.0	ug/L	SW846 8270C
Diethyl phthalate	**0.87 J**	**1.0**	**ug/L**	**SW846 8270C**
4-Chlorophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Fluorene	ND	0.20	ug/L	SW846 8270C
4-Nitroaniline	ND	2.0	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	5.0	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	1.0	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	2.0	ug/L	SW846 8270C
Hexachlorobenzene	ND	0.20	ug/L	SW846 8270C
Pentachlorophenol	ND	5.0	ug/L	SW846 8270C
Phenanthrene	ND	0.20	ug/L	SW846 8270C
Anthracene	ND	0.20	ug/L	SW846 8270C
Carbazole	ND	1.0	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	1.0	ug/L	SW846 8270C
Fluoranthene	ND	0.20	ug/L	SW846 8270C
Pyrene	ND	0.20	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	1.0	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	5.0	ug/L	SW846 8270C
Benzo(a)anthracene	ND	0.20	ug/L	SW846 8270C
Chrysene	ND	0.20	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	**1.9 J**	**10**	**ug/L**	**SW846 8270C**
Di-n-octyl phthalate	ND	1.0	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	0.20	ug/L	SW846 8270C
Benzo(a)pyrene	ND	0.20	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	0.20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	0.20	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	0.20	ug/L	SW846 8270C
Acenaphthene	ND	0.20	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	87	(32 - 112)
2-Fluorobiphenyl	81	(30 - 110)
Terphenyl-d14	108	(51 - 135)
Phenol-d5	80	(10 - 117)
2-Fluorophenol	81	(19 - 108)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3AD1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4,6-Tribromophenol	74	(42 - 124)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

J Estimated result. Result is less than RL.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7107304 **Analysis Method :** 8270C **Analysis Date :** 04/20/2007

Preparation Batch : 7107304 **Preparation Type :** 3520C **Preparation Date :** 04/17/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	Matrix	Analyte Name	Percent Recovery	RPD	Rejection Point	Lower Limit	Upper Limit	RPD
A7D170000304C	AQ	Hexachlorocyclopentadiene	20		30.00	30.00	115.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGLL1mw-078C-0419-GW	A7D170102005
FWGLL1mw-080C-0420-GW	A7D170102007
FWGLL3mw-238C-0425-GW	A7D170102003
FWGLL4mw-199C-0428-GW	A7D170102001
FWGRQLmw-007C-0441-GW	A7D170102011
FWGRQLmw-008C-0442-GW	A7D170102013
FWGRQLmw-009C-0443-GW	A7D170102015
FWGRQLmw-DUP1-0447-GW	A7D170102009

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3AD1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D170000-304
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzoic acid	35	(30 - 136)	SW846 8270C
Phenol	**72**	**(30 - 115)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	79	(30 - 115)	SW846 8270C
2-Chlorophenol	**71**	**(30 - 120)**	**SW846 8270C**
1,3-Dichlorobenzene	58	(30 - 120)	SW846 8270C
1,4-Dichlorobenzene	**83**	**(30 - 115)**	**SW846 8270C**
1,2-Dichlorobenzene	61	(30 - 120)	SW846 8270C
2-Methylphenol	71	(30 - 116)	SW846 8270C
bis(2-Chloroisopropyl) ether	82	(50 - 150)	SW846 8270C
4-Methylphenol	76	(31 - 115)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**86**	**(30 - 132)**	**SW846 8270C**
Hexachloroethane	46	(30 - 120)	SW846 8270C
Nitrobenzene	82	(31 - 115)	SW846 8270C
Isophorone	94	(33 - 115)	SW846 8270C
2-Nitrophenol	69	(33 - 115)	SW846 8270C
2,4-Dimethylphenol	50	(31 - 120)	SW846 8270C
bis(2-Chloroethoxy) methane	86	(30 - 115)	SW846 8270C
2,4-Dichlorophenol	74	(34 - 115)	SW846 8270C
1,2,4-Trichloro-benzene	**60**	**(30 - 120)**	**SW846 8270C**
Naphthalene	76	(30 - 119)	SW846 8270C
4-Chloroaniline	75	(30 - 133)	SW846 8270C
Hexachlorobutadiene	51	(30 - 120)	SW846 8270C
4-Chloro-3-methylphenol	**75**	**(31 - 121)**	**SW846 8270C**
2-Methylnaphthalene	85	(32 - 115)	SW846 8270C
Hexachlorocyclopenta-diene	20 a	(30 - 115)	SW846 8270C
2,4,6-Trichloro-phenol	76	(39 - 115)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3AD1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D170000-304

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2,4,5-Trichloro-phenol	77	(36 - 135)	SW846 8270C
2-Chloronaphthalene	78	(35 - 115)	SW846 8270C
2-Nitroaniline	91	(36 - 140)	SW846 8270C
Dimethyl phthalate	97	(42 - 116)	SW846 8270C
Acenaphthylene	90	(37 - 115)	SW846 8270C
2,6-Dinitrotoluene	92	(43 - 122)	SW846 8270C
3-Nitroaniline	88	(30 - 138)	SW846 8270C
2,4-Dinitrophenol	78	(29 - 146)	SW846 8270C
4-Nitrophenol	**78**	**(30 - 138)**	**SW846 8270C**
Dibenzofuran	89	(40 - 115)	SW846 8270C
2,4-Dinitrotoluene	**92**	**(34 - 151)**	**SW846 8270C**
Diethyl phthalate	91	(43 - 132)	SW846 8270C
4-Chlorophenyl phenyl ether	90	(40 - 115)	SW846 8270C
Fluorene	84	(41 - 115)	SW846 8270C
4-Nitroaniline	88	(30 - 140)	SW846 8270C
4,6-Dinitro-2-methylphenol	75	(42 - 144)	SW846 8270C
N-Nitrosodiphenylamine	90	(35 - 124)	SW846 8270C
4-Bromophenyl phenyl ether	90	(43 - 118)	SW846 8270C
Hexachlorobenzene	91	(42 - 123)	SW846 8270C
Pentachlorophenol	**82**	**(30 - 150)**	**SW846 8270C**
Phenanthrene	93	(45 - 117)	SW846 8270C
Anthracene	95	(45 - 118)	SW846 8270C
Carbazole	97	(49 - 126)	SW846 8270C
Di-n-butyl phthalate	106	(46 - 123)	SW846 8270C
Fluoranthene	102	(47 - 132)	SW846 8270C
Pyrene	**95**	**(35 - 139)**	**SW846 8270C**
Butyl benzyl phthalate	98	(37 - 136)	SW846 8270C
3,3'-Dichlorobenzidine	53	(30 - 160)	SW846 8270C
Benzo(a)anthracene	92	(43 - 138)	SW846 8270C
Chrysene	92	(42 - 142)	SW846 8270C
bis(2-Ethylhexyl) phthalate	94	(30 - 154)	SW846 8270C
Di-n-octyl phthalate	92	(36 - 151)	SW846 8270C

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3AD1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D170000-304

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzo(b)fluoranthene	93	(31 - 146)	SW846 8270C
Benzo(k)fluoranthene	93	(40 - 127)	SW846 8270C
Benzo(a)pyrene	93	(38 - 144)	SW846 8270C
Indeno(1,2,3-cd)pyrene	88	(37 - 130)	SW846 8270C
Dibenz(a,h)anthracene	88	(38 - 130)	SW846 8270C
Benzo(ghi)perylene	98	(35 - 129)	SW846 8270C
Atrazine	112	(30 - 120)	SW846 8270C
Acetophenone	82	(30 - 120)	SW846 8270C
1,1'-Biphenyl	80	(30 - 120)	SW846 8270C
Caprolactam	90	(30 - 120)	SW846 8270C
Benzaldehyde	89	(30 - 120)	SW846 8270C
Acenaphthene	**86**	**(31 - 120)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78	(32 - 112)
2-Fluorobiphenyl	78	(30 - 110)
Terphenyl-d14	96	(51 - 135)
Phenol-d5	73	(10 - 117)
2-Fluorophenol	72	(19 - 108)
2,4,6-Tribromophenol	76	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7107304 **Analysis Method :** 8270C **Analysis Date :** 04/20/2007

Preparation Batch : 7107304 **Preparation Type :** 3520C **Preparation Date :** 04/17/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGRQLmw-007C-0441	A7D170102011S	AQ	3,3'-Dichlorobenzidine	10		0.00	45.00	135.00	20.00
			Hexachlorobutadiene	41		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	19		0.00	45.00	135.00	20.00
			Hexachloroethane	36		0.00	45.00	135.00	20.00
FWGRQLmw-007C-0441	A7D170102011D		3,3'-Dichlorobenzidine	12		0.00	45.00	135.00	20.00
			Hexachlorocyclopentadiene	18		0.00	45.00	135.00	20.00
			Hexachloroethane	41		0.00	45.00	135.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGRQLmw-007C-0441-GW	A7D170102011

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.

** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AG-MSD
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107304
Dilution Factor: 1 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzoic acid	69	(10 - 127)			SW846 8270C
	66	(10 - 127)	4.0	(0-99)	SW846 8270C
Phenol	**54**	**(10 - 116)**			**SW846 8270C**
	59	**(10 - 116)**	**7.6**	**(0-43)**	**SW846 8270C**
bis(2-Chloroethyl)-ether	66	(57 - 120)			SW846 8270C
	67	(57 - 120)	1.0	(0-51)	SW846 8270C
2-Chlorophenol	**55**	**(37 - 106)**			**SW846 8270C**
	57	**(37 - 106)**	**2.2**	**(0-43)**	**SW846 8270C**
1,3-Dichlorobenzene	46	(35 - 114)			SW846 8270C
	50	(35 - 114)	6.9	(0-89)	SW846 8270C
1,4-Dichlorobenzene	**68**	**(32 - 98)**			**SW846 8270C**
	73	**(32 - 98)**	**6.5**	**(0-36)**	**SW846 8270C**
1,2-Dichlorobenzene	50	(43 - 112)			SW846 8270C
	54	(43 - 112)	7.0	(0-85)	SW846 8270C
2-Methylphenol	58	(42 - 113)			SW846 8270C
	59	(42 - 113)	2.0	(0-73)	SW846 8270C
bis(2-Chloroisopropyl) ether	65	(53 - 122)			SW846 8270C
	65	(53 - 122)	1.0	(0-52)	SW846 8270C
4-Methylphenol	61	(29 - 122)			SW846 8270C
	63	(29 - 122)	3.3	(0-55)	SW846 8270C
N-Nitrosodi-n-propyl-amine	**70**	**(18 - 115)**			**SW846 8270C**
	71	**(18 - 115)**	**0.45**	**(0-36)**	**SW846 8270C**
Hexachloroethane	36	(28 - 94)			SW846 8270C
	41	(28 - 94)	12	(0-92)	SW846 8270C
Nitrobenzene	67	(56 - 125)			SW846 8270C
	68	(56 - 125)	1.0	(0-81)	SW846 8270C
Isophorone	77	(56 - 112)			SW846 8270C
	77	(56 - 112)	0.90	(0-50)	SW846 8270C
2-Nitrophenol	58	(51 - 131)			SW846 8270C
	58	(51 - 131)	0.27	(0-77)	SW846 8270C
2,4-Dimethylphenol	49	(28 - 109)			SW846 8270C
	50	(28 - 109)	1.2	(0-62)	SW846 8270C

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
bis(2-Chloroethoxy) methane	70	(57 - 114)			SW846 8270C
	68	(57 - 114)	2.5	(0-49)	SW846 8270C
2,4-Dichlorophenol	62	(52 - 121)			SW846 8270C
	62	(52 - 121)	0.07	(0-88)	SW846 8270C
1,2,4-Trichloro- benzene	**50**	**(22 - 110)**			**SW846 8270C**
	53	**(22 - 110)**	**5.3**	**(0-37)**	**SW846 8270C**
Naphthalene	63	(50 - 176)			SW846 8270C
	64	(50 - 176)	2.7	(0-52)	SW846 8270C
4-Chloroaniline	54	(15 - 109)			SW846 8270C
	56	(15 - 109)	3.0	(0-99)	SW846 8270C
Hexachlorobutadiene	41	(35 - 118)			SW846 8270C
	45	(35 - 118)	8.4	(0-56)	SW846 8270C
4-Chloro-3-methylphenol	**63**	**(47 - 111)**			**SW846 8270C**
	64	**(47 - 111)**	**2.2**	**(0-55)**	**SW846 8270C**
2-Methylnaphthalene	69	(45 - 119)			SW846 8270C
	69	(45 - 119)	0.36	(0-51)	SW846 8270C
Hexachlorocyclopenta- diene	19	(10 - 98)			SW846 8270C
	18	(10 - 98)	6.6	(0-97)	SW846 8270C
2,4,6-Trichloro- phenol	64	(46 - 122)			SW846 8270C
	64	(46 - 122)	0.65	(0-98)	SW846 8270C
2,4,5-Trichloro- phenol	64	(45 - 125)			SW846 8270C
	66	(45 - 125)	2.6	(0-74)	SW846 8270C
2-Chloronaphthalene	61	(51 - 119)			SW846 8270C
	63	(51 - 119)	3.5	(0-51)	SW846 8270C
2-Nitroaniline	74	(48 - 125)			SW846 8270C
	74	(48 - 125)	0.60	(0-83)	SW846 8270C
Dimethyl phthalate	79	(25 - 127)			SW846 8270C
	78	(25 - 127)	0.99	(0-99)	SW846 8270C
Acenaphthylene	69	(49 - 111)			SW846 8270C
	72	(49 - 111)	4.6	(0-51)	SW846 8270C
2,6-Dinitrotoluene	73	(58 - 127)			SW846 8270C
	74	(58 - 127)	0.67	(0-82)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
3-Nitroaniline	66	(19 - 126)			SW846 8270C
	65	(19 - 126)	1.8	(0-99)	SW846 8270C
2,4-Dinitrophenol	76	(14 - 138)			SW846 8270C
	71	(14 - 138)	6.2	(0-99)	SW846 8270C
4-Nitrophenol	**65**	**(10 - 123)**			**SW846 8270C**
	63	**(10 - 123)**	**4.2**	**(0-34)**	**SW846 8270C**
Dibenzofuran	68	(51 - 117)			SW846 8270C
	72	(51 - 117)	5.7	(0-51)	SW846 8270C
2,4-Dinitrotoluene	**73**	**(31 - 131)**			**SW846 8270C**
	73	**(31 - 131)**	**0.69**	**(0-32)**	**SW846 8270C**
Diethyl phthalate	74	(41 - 118)			SW846 8270C
	74	(41 - 118)	0.24	(0-81)	SW846 8270C
4-Chlorophenyl phenyl ether	68	(51 - 118)			SW846 8270C
	73	(51 - 118)	6.2	(0-51)	SW846 8270C
Fluorene	65	(51 - 119)			SW846 8270C
	69	(51 - 119)	5.8	(0-51)	SW846 8270C
4-Nitroaniline	70	(20 - 122)			SW846 8270C
	70	(20 - 122)	0.51	(0-99)	SW846 8270C
4,6-Dinitro-2-methylphenol	67	(40 - 130)			SW846 8270C
	66	(40 - 130)	1.6	(0-99)	SW846 8270C
N-Nitrosodiphenylamine	72	(49 - 117)			SW846 8270C
	76	(49 - 117)	4.8	(0-51)	SW846 8270C
4-Bromophenyl phenyl ether	67	(51 - 119)			SW846 8270C
	75	(51 - 119)	12	(0-51)	SW846 8270C
Hexachlorobenzene	65	(48 - 123)			SW846 8270C
	73	(48 - 123)	12	(0-51)	SW846 8270C
Pentachlorophenol	**73**	**(38 - 137)**			**SW846 8270C**
	75	**(38 - 137)**	**2.8**	**(0-56)**	**SW846 8270C**
Phenanthrene	70	(52 - 117)			SW846 8270C
	77	(52 - 117)	9.6	(0-51)	SW846 8270C
Anthracene	67	(49 - 118)			SW846 8270C
	74	(49 - 118)	9.5	(0-51)	SW846 8270C
Carbazole	74	(48 - 119)			SW846 8270C
	79	(48 - 119)	5.4	(0-53)	SW846 8270C
Di-n-butyl phthalate	78	(41 - 121)			SW846 8270C
	85	(41 - 121)	8.3	(0-53)	SW846 8270C

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Fluoranthene	75	(49 - 122)			SW846 8270C
	82	(49 - 122)	8.5	(0-53)	SW846 8270C
Pyrene	**72**	**(27 - 138)**			**SW846 8270C**
	76	**(27 - 138)**	**6.1**	**(0-31)**	**SW846 8270C**
Butyl benzyl phthalate	76	(41 - 127)			SW846 8270C
	81	(41 - 127)	6.3	(0-84)	SW846 8270C
3,3'-Dichlorobenzidine	10 a	(19 - 111)			SW846 8270C
	12 a	(19 - 111)	12	(0-99)	SW846 8270C
Benzo(a)anthracene	69	(48 - 115)			SW846 8270C
	72	(48 - 115)	4.3	(0-51)	SW846 8270C
Chrysene	69	(49 - 118)			SW846 8270C
	77	(49 - 118)	10	(0-52)	SW846 8270C
bis(2-Ethylhexyl) phthalate	76	(43 - 128)			SW846 8270C
	72	(43 - 128)	4.7	(0-84)	SW846 8270C
Di-n-octyl phthalate	73	(39 - 144)			SW846 8270C
	79	(39 - 144)	8.5	(0-89)	SW846 8270C
Benzo(b)fluoranthene	65	(44 - 123)			SW846 8270C
	75	(44 - 123)	15	(0-54)	SW846 8270C
Benzo(k)fluoranthene	72	(46 - 123)			SW846 8270C
	76	(46 - 123)	5.5	(0-53)	SW846 8270C
Benzo(a)pyrene	68	(44 - 122)			SW846 8270C
	73	(44 - 122)	6.4	(0-51)	SW846 8270C
Indeno(1,2,3-cd)pyrene	67	(39 - 126)			SW846 8270C
	72	(39 - 126)	7.8	(0-59)	SW846 8270C
Dibenz(a,h)anthracene	67	(45 - 127)			SW846 8270C
	71	(45 - 127)	6.7	(0-57)	SW846 8270C
Benzo(ghi)perylene	73	(44 - 122)			SW846 8270C
	79	(44 - 122)	8.5	(0-55)	SW846 8270C
Atrazine	90	(30 - 120)			SW846 8270C
	92	(30 - 120)	2.6	(0-20)	SW846 8270C
Benzaldehyde	68	(30 - 120)			SW846 8270C
	71	(30 - 120)	3.9	(0-20)	SW846 8270C
Acetophenone	67	(30 - 120)			SW846 8270C
	66	(30 - 120)	1.1	(0-20)	SW846 8270C
1,1'-Biphenyl	64	(30 - 120)			SW846 8270C
	64	(30 - 120)	0.51	(0-20)	SW846 8270C
Caprolactam	70	(30 - 120)			SW846 8270C
	69	(30 - 120)	1.6	(0-20)	SW846 8270C
Acenaphthene	**66**	**(26 - 118)**			**SW846 8270C**
	70	**(26 - 118)**	**5.5**	**(0-35)**	**SW846 8270C**

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AF-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	64	(32 - 112)
	64	(32 - 112)
2-Fluorobiphenyl	63	(30 - 110)
	63	(30 - 110)
Terphenyl-d14	79	(51 - 135)
	78	(51 - 135)
Phenol-d5	55	(10 - 117)
	58	(10 - 117)
2-Fluorophenol	52	(19 - 108)
	57	(19 - 108)
2,4,6-Tribromophenol	63	(42 - 124)
	63	(42 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

PESTICIDE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AD **Matrix.....:** WG
Date Sampled...: 04/16/07 15:20 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107299
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(39 - 130)
Decachlorobiphenyl	66	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AD **Matrix.....:** WG
Date Sampled...: 04/16/07 16:00 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7107299
Dilution Factor: 50 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	1.5	ug/L
beta-BHC	ND	1.5	ug/L
delta-BHC	ND	1.5	ug/L
gamma-BHC (Lindane)	ND	1.5	ug/L
Heptachlor	ND	1.5	ug/L
Aldrin	ND	1.5	ug/L
Heptachlor epoxide	ND	1.5	ug/L
Endosulfan I	ND	1.2	ug/L
Dieldrin	ND	1.5	ug/L
4,4'-DDE	ND	1.5	ug/L
Endrin	ND	1.5	ug/L
Endosulfan II	ND	1.2	ug/L
4,4'-DDD	ND	1.5	ug/L
Endosulfan sulfate	ND	1.5	ug/L
4,4'-DDT	ND	1.5	ug/L
Methoxychlor	ND	5.0	ug/L
Endrin ketone	ND	1.5	ug/L
Endrin aldehyde	ND	1.5	ug/L
alpha-Chlordane	ND	1.5	ug/L
gamma-Chlordane	ND	1.5	ug/L
Toxaphene	ND	100	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	0.0 DIL,*	(39 - 130)
Decachlorobiphenyl	56 DIL	(10 - 147)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-005	**Work Order #...:**	JT1191AD	**Matrix.....:**	WG
Date Sampled...:	04/16/07 16:05	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/20/07		
Prep Batch #...:	7107299				
Dilution Factor:	1	**Initial Wgt/Vol:**	1020 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	72	(39 - 130)
Decachlorobiphenyl	26	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C1AD **Matrix.....:** WG
Date Sampled...: 04/16/07 14:20 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7107299
Dilution Factor: 10 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.30	ug/L
beta-BHC	ND	0.30	ug/L
delta-BHC	ND	0.30	ug/L
gamma-BHC (Lindane)	ND	0.30	ug/L
Heptachlor	ND	0.30	ug/L
Aldrin	ND	0.30	ug/L
Heptachlor epoxide	ND	0.30	ug/L
Endosulfan I	ND	0.25	ug/L
Dieldrin	ND	0.30	ug/L
4,4'-DDE	ND	0.30	ug/L
Endrin	ND	0.30	ug/L
Endosulfan II	ND	0.25	ug/L
4,4'-DDD	ND	0.30	ug/L
Endosulfan sulfate	ND	0.30	ug/L
4,4'-DDT	ND	0.30	ug/L
Methoxychlor	ND	1.0	ug/L
Endrin ketone	ND	0.30	ug/L
Endrin aldehyde	ND	0.30	ug/L
alpha-Chlordane	ND	0.30	ug/L
gamma-Chlordane	ND	0.30	ug/L
Toxaphene	ND	20	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82 DIL	(39 - 130)
Decachlorobiphenyl	68 DIL	(10 - 147)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AD **Matrix.....:** WG
Date Sampled...: 04/16/07 12:25 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107299
Dilution Factor: 1 **Initial Wgt/Vol:** 960 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(39 - 130)
Decachlorobiphenyl	27	(10 - 147)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-011 **Work Order #...:** JT12G1AH **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/23/07
Prep Batch #...: 7107299
Dilution Factor: 2 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.060	ug/L
beta-BHC	ND	0.060	ug/L
delta-BHC	ND	0.060	ug/L
gamma-BHC (Lindane)	ND	0.060	ug/L
Heptachlor	ND	0.060	ug/L
Aldrin	ND	0.060	ug/L
Heptachlor epoxide	ND	0.060	ug/L
Endosulfan I	ND	0.050	ug/L
Dieldrin	ND	0.060	ug/L
4,4'-DDE	ND	0.060	ug/L
Endrin	ND	0.060	ug/L
Endosulfan II	ND	0.050	ug/L
4,4'-DDD	ND	0.060	ug/L
Endosulfan sulfate	ND	0.060	ug/L
4,4'-DDT	ND	0.060	ug/L
Methoxychlor	ND	0.20	ug/L
Endrin ketone	ND	0.060	ug/L
Endrin aldehyde	ND	0.060	ug/L
alpha-Chlordane	ND	0.060	ug/L
gamma-Chlordane	ND	0.060	ug/L
Toxaphene	ND	4.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(39 - 130)
Decachlorobiphenyl	13	(10 - 147)

NOTE(S):

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AD **Matrix.....:** WG
Date Sampled...: 04/16/07 11:15 **Date Received..:** 04/17/07
Prep Date.....: 04/20/07 **Analysis Date..:** 05/01/07
Prep Batch #...: 7109506
Dilution Factor: 5 **Initial Wgt/Vol:** 1000 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.15	ug/L
beta-BHC	ND	0.15	ug/L
delta-BHC	ND	0.15	ug/L
gamma-BHC (Lindane)	ND	0.15	ug/L
Heptachlor	ND	0.15	ug/L
Aldrin	ND	0.15	ug/L
Heptachlor epoxide	ND	0.15	ug/L
Endosulfan I	ND	0.12	ug/L
Dieldrin	ND	0.15	ug/L
4,4'-DDE	ND	0.15	ug/L
Endrin	ND	0.15	ug/L
Endosulfan II	ND	0.12	ug/L
4,4'-DDD	ND	0.15	ug/L
Endosulfan sulfate	ND	0.15	ug/L
4,4'-DDT	ND	0.15	ug/L
Methoxychlor	ND	0.50	ug/L
Endrin ketone	ND	0.15	ug/L
Endrin aldehyde	ND	0.15	ug/L
alpha-Chlordane	ND	0.15	ug/L
gamma-Chlordane	ND	0.15	ug/L
Toxaphene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	47 DIL	(39 - 130)
Decachlorobiphenyl	19 DIL	(10 - 147)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits. The reporting limits are elevated due to matrix interference.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-015 **Work Order #...:** JT12M1AD **Matrix.....:** WG
Date Sampled...: 04/16/07 12:10 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107299
Dilution Factor: 1 **Initial Wgt/Vol:** 1050 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	**0.0083 J**	**0.030**	**ug/L**
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	63	(39 - 130)
Decachlorobiphenyl	27	(10 - 147)

NOTE(S):

J Estimated result. Result is less than RL.

FORM 8
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D170102

GC Column: CLP PESTICIDES II ID: 0.53 (mm) Init. Calib. Date(s): 04/12/07 04/12/07

Instrument ID: A2HP9

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION		
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01		TOX3 D897	04/19/07	1346				
02		PEM E039	04/19/07	2113				
03		AB3 E005	04/19/07	2135				
04		MRL	04/19/07	2157				
05	FWGLL4MW-199	JT1121AD	04/20/07	0118				
06	FWGLL1MW-078	JT1191AD	04/20/07	0203				
07	FWGRQLMW-DUP	JT12E1AD	04/20/07	0248				
08	FWGRQLMW-007	JT12G1AJ	04/20/07	0332				
09	FWGRQLMW-007	JT12G1AK	04/20/07	0355				
10	FWGRQLMW-009	JT12M1AD	04/20/07	0417				
11	JT3DFBLK	JT3DF1AA	04/20/07	0439				
12	JT3DFCHK	JT3DF1AC	04/20/07	0502				
13		TOX3 D897	04/20/07	0524				
14		PEM E039	04/20/07	0653				
15		AB3 E005	04/20/07	0716				
16		MRL	04/20/07	0738				
17								
18								
19								
20								
21								
22								
23								
24								
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26								
27								
28								
29								
30								
31								
32								

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Sequence: C:\HPCHEM\2\SEQUENCE\70419.S

Sequence Parameters:

Operator:	093905
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	70419
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
AB PEST E003-E008
PEM E039
TECHLOR E009
TOXAPHENE D897
APPIX E011-E016
CHDIAL D891
MIREX E018

Sequence Table (Front Injector):

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	HEX Lot C01E95				
2	Vial 2	PEM E039 Pass f/r				
3	Vial 3	PRIMER				
4	Vial 4	AB3 E005,,2 Pass f (Hept, Ek↑)/ Pass r (Hept, Ek↑)				
5	Vial 5	JTHCV1AA,20				
6	Vial 6	AB3 E005,,2 Pass f/r				
7	Vial 7	~~TOX3 D897,,2~~ JTHCV1AA,20				
8	Vial 8	AB3 E005,,2 Pass f/r				
9	Vial 9	TOX3 D897,,2 Pass f/r				
10	Vial 10	TC3 E009,.,2 Pass f/r				
11	Vial 11	AP9 E013,,2 Pass f (Kepone↓)/ Pass r (Kepone↓)				
12	Vial 12	CD3 E070,,2 Pass f/r				
13	Vial 13	JTEHW1DL				
14	Vial 14	JTEH61AH				
15	Vial 15	TOX3 D897,,2 Pass f/r				
16	Vial 16	TC3 E009,.,2 Pass f/r				
17	Vial 17	AP9 E013,,2 Pass f/r				
18	Vial 18	CD3 E070,,2 Pass f (chlorobenzilate↑)/ Pass r				
19	Vial 19	PEM E039 Pass f/r				
20	Vial 20	AB3 E005,,2 Pass f/r				
21	Vial 21	JTL281AF				
22	Vial 22	JT11V1AA				
23	Vial 23	JT11V1AC,5				
24	Vial 24	JT11V1AD,5				
25	Vial 25	JTR6H1AD				

f. 19.07 CVD

Sequence: C:\HPCHEM\2\SEQUENCE\70419.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
26	Vial 26	JTR6M1AD				
27	Vial 27	JTWWA1AQ				
28	Vial 28	JTW1X1AQ				
29	Vial 29	JTW2H1A3				
30	Vial 30	JTW2N1A3				
31	Vial 31	JT2WX1AE WD				
32	Vial 32	JT0KF1AA				
33	Vial 33	JT0KF1AC,2				
34	Vial 34	JT0KF1AD,2				
35	Vial 35	PEM E039 Pass f/r				
36	Vial 36	AB3 E005,,2 Pass f(Lindane, Hept, DDD, EK↑)/Pass r(Hept, EK↑)				
37	Vial 37	MRL Pass f/r				
38	Vial 38	JT01F1AE				
39	Vial 39	JT1AR1AA				
40	Vial 40	JT1AR1AC,2				
41	Vial 41	JT1AR1AD,2				
42	Vial 42	JT01M1AH				
43	Vial 43	JT2FJ1AA				
44	Vial 44	JT2FJ1AC,2				
45	Vial 45	JT2FJ1AD,2				
46	Vial 46	JT1121AD				
47	Vial 47	JT1171AD				
48	Vial 48	JT1191AD				
49	Vial 49	JT12C1AD				
50	Vial 50	JT12E1AD				
51	Vial 51	JT12G1AH				
52	Vial 52	JT12G1AJ,5				
53	Vial 53	JT12G1AK,5				
54	Vial 54	JT12M1AD				
55	Vial 55	JT3DF1AA				
56	Vial 56	JT3DF1AC,5				
57	Vial 57	TOX3 D897,,2 Pass f/r				
58	Vial 58	TC3 E009,,2 Pass f/r				
59	Vial 59	AP9 E013,,2 Pass f(Kepone ↓)/Pass r(Kepone ↓)				
60	Vial 60	CD E070,,2 Pass f/r				
61	Vial 61	PEM E039 Pass f/r				
62	Vial 62	AB3 E005,,2 Pass f/r				
63	Vial 63	MRL Pass f/r				
64	Vial 64	JT3A01AE				
65	Vial 65	JTGC22AH				
66	Vial 66	TOX3 D897,,2 Pass f/r				
67	Vial 67	TC3 E009,,2 Pass f/r				
68	Vial 68	AP9 E013,,2 Pass f(Kepone ↓)/Pass r(Kepone ↓)				
69	Vial 69	CD E070,,2 Pass f/r				
70	Vial 70	AB3 E005,,2 Pass f/Pass r(methoxy ↓)				
71	Vial 71	JT2471AA - spiked				
72	Vial 72	JT25C1AA				
73	Vial 73	JT23J1AC,500				
74	Vial 74	TOX3 D897,,2 Pass f/r				
75	Vial 75	PEM E039 Pass f/r				
76	Vial 76	AB3 E005,,2 Pass f/r				

Sequence Table (Back Injector):

No entries - empty table!

Sequence Output Parameters:

Print Sequence Summary Report (SSR):	No
Dest of individual reports for each run:	as specified in Method

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 19-APR-2007 21:35
Lab File ID: 036F3601.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70419-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	81768160	81768160	0.000	-3.44691	15.00000	Averaged	
4 alpha-BHC	128794705	139725680	139725680	0.010	-8.48713	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	85143080	85143080	0.010	-16.05630	15.00000	Averaged	<-
6 beta-BHC	45761657	49870160	49870160	0.010	-8.97805	15.00000	Averaged	
7 delta-BHC	109863679	120591600	120591600	0.010	-9.76476	15.00000	Averaged	
8 Heptachlor	90540498	110787840	110787840	0.010	-22.36275	15.00000	Averaged	<-
10 Aldrin	114771648	120994720	120994720	0.010	-5.42213	15.00000	Averaged	
12 Heptachlor epoxide	100418434	108664840	108664840	0.010	-8.21204	15.00000	Averaged	
13 gamma-Chlordane	99670232	106992120	106992120	0.010	-7.34611	15.00000	Averaged	
14 alpha-Chlordane	101825510	108293160	108293160	0.010	-6.35170	15.00000	Averaged	
15 Endosulfan I	96547530	102369680	102369680	0.010	-6.03035	15.00000	Averaged	
16 4,4'-DDE	103540003	105585400	105585400	0.010	-1.97547	15.00000	Averaged	
17 Dieldrin	102742603	108718680	108718680	0.010	-5.81655	15.00000	Averaged	
18 Endrin	91631696	101801600	101801600	0.010	-11.09868	15.00000	Averaged	
20 4,4'-DDD	63752723	74833160	74833160	0.010	-17.38034	15.00000	Averaged	<-
22 Endosulfan II	89214558	98894160	98894160	0.010	-10.84980	15.00000	Averaged	
23 4,4'-DDT	60776833	63980960	63980960	0.010	-5.27195	15.00000	Averaged	
25 Endrin aldehyde	60725424	69286800	69286800	0.010	-14.09850	15.00000	Averaged	
27 Methoxychlor	31931631	34691800	34691800	0.010	-8.64400	15.00000	Averaged	
28 Endosulfan sulfate	75068450	83813640	83813640	0.010	-11.64962	15.00000	Averaged	
29 Endrin ketone	75318670	88628000	88628000	0.010	-17.67069	15.00000	Averaged	<-
$ 30 Decachlorobiphenyl	84660049	91831200	91831200	0.010	-8.47053	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 9.79020
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

$203.46692 / 20 = 10.17$

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 19-APR-2007 21:35
Lab File ID: 036F3601.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70419-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	107563600	107563600	0.000	-2.20112	15.00000	Averaged	
4 alpha-BHC	171507456	182438200	182438200	0.010	-6.37333	15.00000	Averaged	
5 gamma-BHC (Lindane)	146962380	165636000	165636000	0.010	-12.70639	15.00000	Averaged	
6 beta-BHC	26746158	29000720	29000720	0.010	-8.42948	15.00000	Averaged	
7 delta-BHC	152073721	163786520	163786520	0.010	-7.70205	15.00000	Averaged	
8 Heptachlor	122350670	147204360	147204360	0.010	-20.31349	15.00000	Averaged	<-
10 Aldrin	155998949	162610160	162610160	0.010	-4.23798	15.00000	Averaged	
12 Heptachlor epoxide	137512679	148918080	148918080	0.010	-8.29407	15.00000	Averaged	
13 gamma-Chlordane	136812268	144700600	144700600	0.010	-5.76581	15.00000	Averaged	
14 alpha-Chlordane	139043540	144964920	144964920	0.010	-4.25865	15.00000	Averaged	
15 Endosulfan I	129419632	138625200	138625200	0.010	-7.11296	15.00000	Averaged	
16 4,4'-DDE	139207758	144513560	144513560	0.010	-3.81143	15.00000	Averaged	
17 Dieldrin	142601504	151755640	151755640	0.010	-6.41938	15.00000	Averaged	
18 Endrin	119111954	131928680	131928680	0.010	-10.76023	15.00000	Averaged	
21 4,4'-DDD	92035861	102483360	102483360	0.010	-11.35155	15.00000	Averaged	
22 Endosulfan II	123582956	137327960	137327960	0.010	-11.12209	15.00000	Averaged	
24 4,4'-DDT	78113563	81859320	81859320	0.010	-4.79527	15.00000	Averaged	
25 Endrin aldehyde	82058744	92752760	92752760	0.010	-13.03215	15.00000	Averaged	
26 Endosulfan sulfate	100162687	111804960	111804960	0.010	-11.62336	15.00000	Averaged	
27 Methoxychlor	18928632	19460680	19460680	0.010	-2.81081	15.00000	Averaged	
29 Endrin ketone	102730933	119241680	119241680	0.010	-16.07184	15.00000	Averaged	<-
$ 30 Decachlorobiphenyl	50158169	53151960	53151960	0.010	-5.96870	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.41646
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

$176.99232 / 20 = 8.8\%$

FORM 8
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D170102

GC Column: CLP PESTICIDES I ID: 0.53 (mm) Init. Calib. Date(s): 04/12/07 04/12/07

Instrument ID: A2HP9

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

					MEAN SURROGATE RT FROM INITIAL CALIBRATION			
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT	#	RT	#
01		TOX3 D897	04/23/07	1117				
02		PEM E039	04/23/07	1737				
03		AB3 E005	04/23/07	1759				
04		MRL	04/23/07	1822				
05	FWGLL1MW-080	JT12C1AD	04/23/07	1906				
06	FWGRQLMW-007	JT12G1AH	04/23/07	1929				
07	FWGLL3MW-238	JT1171AD	04/23/07	1951				
08		AB3 E005	04/23/07	2013				
09		MRL	04/23/07	2036				
10		PEM E039	04/24/07	0340				
11		AB3 E005	04/24/07	1022				
12		MRL	04/24/07	1045				
13	JT955BLK	JT9551AA	04/24/07	1344				
14	JT955CHK	JT9551AC	04/24/07	1406				
15		PEM E039	04/24/07	1428				
16		AB3 E005	04/24/07	1451				
17		MRL	04/24/07	1513				
18		TOX3 D897	04/24/07	1941				
19								
20								
21								
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23								
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25								
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29								
30								
31								
32								

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Sequence: C:\HPCHEM\2\SEQUENCE\70423.S

Sequence Parameters:

Operator:	093905
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	70423
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
AB PEST E003-E008
PEM E039
TECHLOR E009
TOXAPHENE D897
APPIX E011-E016
CHDIAL D891
MIREX E018

Sequence Table (Front Injector):

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	HEX Lot C01E95				
2	Vial 2	PEM E039 Pass f/r				
3	Vial 3	PRIMER				
4	Vial 4	AB3 E005,,2 Passf/ Passr (Methoxy ↓)?				
5	Vial 5	TOX3 D897,,2 Passf/Fail r ↓				
6	Vial 6	TC3 E009,,2 Passf/r				
7	Vial 7	JT1D01AX				
8	Vial 8	JT1EC1A0				
9	Vial 9	JT1EM1A0 RR x5				
10	Vial 10	JVE881AA				
11	Vial 11	JVE881AC,5				
12	Vial 12	AB3 E005,,2 Passf (Hept↑)/Passr				
4-24-01 CVD 13	Vial 13	JT3?21CJT RRx2				
14	Vial 14	JT3WH1CK,				
15	Vial 15	JT6MC1CU,2				
16	Vial 16	JT6ND1CU				
17	Vial 17	JT3WH1CK,2				
18	Vial 18	JT6MC1CU,5				
19	Vial 19	JT6ND1CU,2				
20	Vial 20	JT7L01AA				
21	Vial 21	JT7L01AC,2				
22	Vial 22	PEM E039 Passf/r				
23	Vial 23	AB3 E005,,2 Passf (Hept., DDD, Lindane ↑)/Passr				
24	Vial 24	MRL Passf/r				
25	Vial 25	JT1171AD,10				

Sequence: C:\HPCHEM\2\SEQUENCE\70423.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
26	Vial 26	JT12C1AD,10				
27	Vial 27	JT12G1AH,2				
28	Vial 28	JT1171AD,50				
29	Vial 29	AB3 E005,,2 Passf (Lindane, Hept, DDD↑/Passr				
30	Vial 30	MRL Pass f/r				
31	Vial 31	JT4MN1AD				
32	Vial 32	JT4MQ1AD				
33	Vial 33	JT4MT1AD				
34	Vial 34	JT4MW1AD				
35	Vial 35	JT4M01AH				
36	Vial 36	JT4M01AJ				
37	Vial 37	JT4M01AK				
38	Vial 38	JT4M21AD				
39	Vial 39	JT4M41AD				
40	Vial 40	JT4M61AD				
41	Vial 41	JT4M81AD				
42	Vial 42	JT4NC1AD				
43	Vial 43	JT4NE1AD				
44	Vial 44	JT4NG1AD				
45	Vial 45	JT4NJ1AD				
46	Vial 46	JT4NT1AD				
47	Vial 47	JT4Q81AA				
48	Vial 48	JT4Q81AC,2				
49	Vial 49	PEM E039 Pass f/r				
50	Vial 50	AB3 E005,,2 Passf (Lindane, Hept DDD, EA, Methoxy, EK↑) / Passr				
51	Vial 51	MRL Pass f/r				
52	Vial 52	JT12K1AD				
53	Vial 53	JT7J71AD				
54	Vial 54	JT7KE1AD				
55	Vial 55	JT7KH1AD				
56	Vial 56	JT7KL1AD				
57	Vial 57	JT7KQ1AD				
58	Vial 58	JTNVP1AD,5				
59	Vial 59	JVGRR1AA				
60	Vial 60	JVGRR1AC,2				
61	Vial 61	JVGRR1AD,2				
62	Vial 62	JT7KV1AD				
63	Vial 63	JT7K11AD				
64	Vial 64	JT7K41AD				
65	Vial 65	JT7K61AD				
66	Vial 66	JT7LC1AH				
67	Vial 67	AB3 E005,,2 Passf (γ-chlordane↑)/Passr (HE↑)				
68	Vial 68	MRL Pass f/ Passr (HE↑)				
69	Vial 69	JT7LC1AJ,5				
70	Vial 70	JT7LC1AK,5				
71	Vial 71	JT7LM1AD				
72	Vial 72	JT7LQ1AD				
73	Vial 73	JT7LW1AD				
74	Vial 74	JT7L31AD				
75	Vial 75	JT7L51AD				
76	Vial 76	JT9551AA				
77	Vial 77	JT9551AC,5				
78	Vial 78	PEM E039 Passf/r				
79	Vial 79	AB3 E005,,2 Fail f↑/Fail r↑				
80	Vial 80	MRL Passf/r				
81	Vial 81	AP9 E013,,2 Passf (Kepone↓)/Passr (Kepone↓)				
82	Vial 82	JT1EM1A0,5 RR				
83	Vial 83	JT0GT1AE,5 qRR Hg				
84	Vial 84	JT9KN1AD,5 RR				
85	Vial 85	JVGRA1AA				
86	Vial 86	JVGR11AC,2				
87	Vial 87	JVGR11AD,2				
88	Vial 88	JT0WT1AG				
89	Vial 89	JVFXV1AA				
90	Vial 90	JVFXV1AC,5				

4-24-07 CVD

Sequence: C:\HPCHEM\2\SEQUENCE\70423.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
91	Vial 91	JVFXV1AD,5				
92	Vial 92	TOX3 D897,,2 Pass f/r				
93	Vial 93	TC3 E009,,2 Pass f/r				
94	Vial 94	AP9 E013,,2 Pass f (Kepone ↓) / Pass r (Kepone ↓)				
95	Vial 95	PEM E039 Pass f/r				
96	Vial 96	AB3 E005,,2 Pass f/r				

Sequence Table (Back Injector):

No entries - empty table!

Sequence Output Parameters:

Print Sequence Summary Report (SSR):	No
Dest of individual reports for each run:	as specified in Method

Sequence Summary Parameters:

One page header:	No
Print Configuration:	No
Print Sequence:	No
Print Logbook:	No
Print Method(s):	No
Print Analysis reports:	No
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Summary style:	Sample Summary

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 23-APR-2007 11:17
Lab File ID: 005F0501.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: TOX3 D897 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
23 Toxaphene(1)	4492994	3767478	3767478	0.010	16.14773	15.00000	Averaged	<-
(2)	4247130	3586513	3586513	0.010	15.55444	15.00000	Averaged	<-
(3)	6737495	5802976	5802976	0.010	13.87042	15.00000	Averaged	
(4)	3107323	2530826	2530826	0.010	18.55284	15.00000	Averaged	<-
(5)	2872350	2366209	2366209	0.010	17.62116	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 16.34932
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

$\frac{81.74659}{5} = 16.35$

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 23-APR-2007 17:59
Lab File ID: 023F2301.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	79093160	79093160	0.000	-0.06270	15.00000	Averaged	
4 alpha-BHC	128794705	137325000	137325000	0.010	-6.62317	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	84554480	84554480	0.010	-15.25400	15.00000	Averaged	<-
6 beta-BHC	45761657	49803880	49803880	0.010	-8.83321	15.00000	Averaged	
7 delta-BHC	109863679	119173360	119173360	0.010	-8.47385	15.00000	Averaged	
8 Heptachlor	90540498	112806880	112806880	0.010	-24.59273	15.00000	Averaged	<-
10 Aldrin	114771648	118427200	118427200	0.010	-3.18507	15.00000	Averaged	
12 Heptachlor epoxide	100418434	107586680	107586680	0.010	-7.13838	15.00000	Averaged	
13 gamma-Chlordane	99670232	105810120	105810120	0.010	-6.16020	15.00000	Averaged	
14 alpha-Chlordane	101825510	107452240	107452240	0.010	-5.52585	15.00000	Averaged	
15 Endosulfan I	96547530	101293320	101293320	0.010	-4.91550	15.00000	Averaged	
16 4,4'-DDE	103540003	105497120	105497120	0.010	-1.89020	15.00000	Averaged	
17 Dieldrin	102742603	107876240	107876240	0.010	-4.99660	15.00000	Averaged	
18 Endrin	91631696	101156400	101156400	0.010	-10.39455	15.00000	Averaged	
20 4,4'-DDD	63752723	75917920	75917920	0.010	-19.08185	15.00000	Averaged	<-
22 Endosulfan II	89214558	96872840	96872840	0.010	-8.58412	15.00000	Averaged	
23 4,4'-DDT	60776833	62715800	62715800	0.010	-3.19031	15.00000	Averaged	
25 Endrin aldehyde	60725424	66679360	66679360	0.010	-9.80468	15.00000	Averaged	
27 Methoxychlor	31931631	33357840	33357840	0.010	-4.46645	15.00000	Averaged	
28 Endosulfan sulfate	75068450	80864840	80864840	0.010	-7.72147	15.00000	Averaged	
29 Endrin ketone	75318670	84762080	84762080	0.010	-12.53794	15.00000	Averaged	
$ 30 Decachlorobiphenyl	84660049	87922880	87922880	0.010	-3.85404	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.05849
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

$\frac{173.37}{20} = 8.7$

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 23-APR-2007 20:13
Lab File ID: 029F2901.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	81990480	81990480	0.000	-3.72817	15.00000	Averaged	
4 alpha-BHC	128794705	140156600	140156600	0.010	-8.82171	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	85753280	85753280	0.010	-16.88805	15.00000	Averaged	<-
6 beta-BHC	45761657	50508360	50508360	0.010	-10.37266	15.00000	Averaged	
7 delta-BHC	109863679	120436280	120436280	0.010	-9.62338	15.00000	Averaged	
8 Heptachlor	90540498	109642600	109642600	0.010	-21.09785	15.00000	Averaged	<-
10 Aldrin	114771648	121366800	121366800	0.010	-5.74632	15.00000	Averaged	
12 Heptachlor epoxide	100418434	112477720	112477720	0.010	-12.00904	15.00000	Averaged	
13 gamma-Chlordane	99670232	108303640	108303640	0.010	-8.66197	15.00000	Averaged	
14 alpha-Chlordane	101825510	108527840	108527840	0.010	-6.58217	15.00000	Averaged	
15 Endosulfan I	96547530	103181800	103181800	0.010	-6.87151	15.00000	Averaged	
16 4,4'-DDE	103540003	108068200	108068200	0.010	-4.37338	15.00000	Averaged	
17 Dieldrin	102742603	109799520	109799520	0.010	-6.86854	15.00000	Averaged	
18 Endrin	91631696	103021680	103021680	0.010	-12.43018	15.00000	Averaged	
20 4,4'-DDD	63752723	74635640	74635640	0.010	-17.07051	15.00000	Averaged	<-
22 Endosulfan II	89214558	98912920	98912920	0.010	-10.87083	15.00000	Averaged	
23 4,4'-DDT	60776833	62055000	62055000	0.010	-2.10305	15.00000	Averaged	
25 Endrin aldehyde	60725424	67613760	67613760	0.010	-11.34341	15.00000	Averaged	
27 Methoxychlor	31931631	32792880	32792880	0.010	-2.69717	15.00000	Averaged	
28 Endosulfan sulfate	75068450	83113720	83113720	0.010	-10.71725	15.00000	Averaged	
29 Endrin ketone	75318670	85235720	85235720	0.010	-13.16679	15.00000	Averaged	
$ 30 Decachlorobiphenyl	84660049	88489840	88489840	0.010	-4.52373	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 9.38944
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

$198.31577 / 20 = 9.9\%$

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 10:22
Lab File ID: 067F6701.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	80054040	80054040	0.000	-1.27833	15.00000	Averaged	
4 alpha-BHC	128794705	137217840	137217840	0.010	-6.53997	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	80739320	80739320	0.010	-10.05365	15.00000	Averaged	
6 beta-BHC	45761657	49646680	49646680	0.010	-8.48969	15.00000	Averaged	
7 delta-BHC	109863679	119605000	119605000	0.010	-8.86673	15.00000	Averaged	
8 Heptachlor	90540498	102010480	102010480	0.010	-12.66834	15.00000	Averaged	
10 Aldrin	114771648	119566480	119566480	0.010	-4.17771	15.00000	Averaged	
12 Heptachlor epoxide	100418434	106663000	106663000	0.010	-6.21855	15.00000	Averaged	
13 gamma-Chlordane	99670232	146668400	146668400	0.010	-47.15367	15.00000	Averaged	<-
14 alpha-Chlordane	101825510	104946880	104946880	0.010	-3.06541	15.00000	Averaged	
15 Endosulfan I	96547530	100397760	100397760	0.010	-3.98791	15.00000	Averaged	
16 4,4'-DDE	103540003	107870240	107870240	0.010	-4.18219	15.00000	Averaged	
17 Dieldrin	102742603	106737840	106737840	0.010	-3.88859	15.00000	Averaged	
18 Endrin	91631696	101103080	101103080	0.010	-10.33636	15.00000	Averaged	
20 4,4'-DDD	63752723	74780480	74780480	0.010	-17.29770	15.00000	Averaged	<-
22 Endosulfan II	89214558	91047760	91047760	0.010	-2.05482	15.00000	Averaged	
23 4,4'-DDT	60776833	62157440	62157440	0.010	-2.27160	15.00000	Averaged	
25 Endrin aldehyde	60725424	62821720	62821720	0.010	-3.45209	15.00000	Averaged	
27 Methoxychlor	31931631	33653000	33653000	0.010	-5.39080	15.00000	Averaged	
28 Endosulfan sulfate	75068450	77655640	77655640	0.010	-3.44644	15.00000	Averaged	
29 Endrin ketone	75318670	78037120	78037120	0.010	-3.60926	15.00000	Averaged	
$ 30 Decachlorobiphenyl	84660049	87477400	87477400	0.010	-3.32784	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.80717
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i
Lab File ID: 067F6701.D
Analysis Type:
Lab Sample ID: AB3 E005
Injection Date: 24-APR-2007 10:22
Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Init. Cal. Times: 11:09 20:50
Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	101482800	101482800	0.000	3.57653	15.00000	Averaged	
4 alpha-BHC	171507456	170459880	170459880	0.010	0.61080	15.00000	Averaged	
5 gamma-BHC (Lindane)	146962380	148024480	148024480	0.010	-0.72270	15.00000	Averaged	
6 beta-BHC	26746158	27405280	27405280	0.010	-2.46436	15.00000	Averaged	
7 delta-BHC	152073721	156003640	156003640	0.010	-2.58422	15.00000	Averaged	
8 Heptachlor	122350670	125294560	125294560	0.010	-2.40611	15.00000	Averaged	
10 Aldrin	155998949	153357360	153357360	0.010	1.69334	15.00000	Averaged	
12 Heptachlor epoxide	137512679	172234960	172234960	0.010	-25.25024	15.00000	Averaged	<-
13 gamma-Chlordane	136812268	134994520	134994520	0.010	1.32864	15.00000	Averaged	
14 alpha-Chlordane	139043540	135879880	135879880	0.010	2.27530	15.00000	Averaged	
15 Endosulfan I	129419632	127137960	127137960	0.010	1.76300	15.00000	Averaged	
16 4,4'-DDE	139207758	135628920	135628920	0.010	2.57086	15.00000	Averaged	
17 Dieldrin	142601504	137653560	137653560	0.010	3.46977	15.00000	Averaged	
18 Endrin	119111954	124199040	124199040	0.010	-4.27084	15.00000	Averaged	
21 4,4'-DDD	92035861	97024600	97024600	0.010	-5.42043	15.00000	Averaged	
22 Endosulfan II	123582956	119810960	119810960	0.010	3.05220	15.00000	Averaged	
24 4,4'-DDT	78113563	76293240	76293240	0.010	2.33035	15.00000	Averaged	
25 Endrin aldehyde	82058744	78326920	78326920	0.010	4.54775	15.00000	Averaged	
26 Endosulfan sulfate	100162687	98188360	98188360	0.010	1.97112	15.00000	Averaged	
27 Methoxychlor	18928632	18874240	18874240	0.010	0.28735	15.00000	Averaged	
29 Endrin ketone	102730933	97088960	97088960	0.010	5.49199	15.00000	Averaged	
$ 30 Decachlorobiphenyl	50158169	47530400	47530400	0.010	5.23897	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 3.78759
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 10:45
Lab File ID: 068F6801.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: MRL Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.005	CCAL RRF0.005	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	101431600	101431600	0.000	3.62518	15.00000	Averaged	
4 alpha-BHC	171507456	153934000	153934000	0.010	10.24647	15.00000	Averaged	
5 gamma-BHC (Lindane)	146962380	135094600	135094600	0.010	8.07539	15.00000	Averaged	
6 beta-BHC	26746158	26988200	26988200	0.010	-0.90496	15.00000	Averaged	
7 delta-BHC	152073721	137259600	137259600	0.010	9.74141	15.00000	Averaged	
8 Heptachlor	122350670	116191200	116191200	0.010	5.03428	15.00000	Averaged	
10 Aldrin	155998949	146499600	146499600	0.010	6.08937	15.00000	Averaged	
12 Heptachlor epoxide	137512679	213398000	213398000	0.010	-55.18424	15.00000	Averaged	<- 55.2%
13 gamma-Chlordane	136812268	128080800	128080800	0.010	6.38208	15.00000	Averaged	
14 alpha-Chlordane	139043540	126194000	126194000	0.010	9.24138	15.00000	Averaged	
15 Endosulfan I	129419632	118193200	118193200	0.010	8.67444	15.00000	Averaged	
16 4,4'-DDE	139207758	123998400	123998400	0.010	10.92565	15.00000	Averaged	
17 Dieldrin	142601504	124417200	124417200	0.010	12.75183	15.00000	Averaged	
18 Endrin	119111954	112693000	112693000	0.010	5.38901	15.00000	Averaged	
21 4,4'-DDD	92035861	93828400	93828400	0.010	-1.94765	15.00000	Averaged	
22 Endosulfan II	123582956	111633200	111633200	0.010	9.66942	15.00000	Averaged	
24 4,4'-DDT	78113563	68966200	68966200	0.010	11.71034	15.00000	Averaged	
25 Endrin aldehyde	82058744	73780600	73780600	0.010	10.08807	15.00000	Averaged	
26 Endosulfan sulfate	100162687	95013000	95013000	0.010	5.14132	15.00000	Averaged	
27 Methoxychlor	18928632	18903200	18903200	0.010	0.13436	15.00000	Averaged	
29 Endrin ketone	102730933	100317800	100317800	0.010	2.34898	15.00000	Averaged	
$ 30 Decachlorobiphenyl	50158169	50656800	50656800	0.010	-0.99412	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.83182
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 14:51
Lab File ID: 079F7901.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	98444600	98444600	0.000	-24.54468	15.00000	Averaged	<-
4 alpha-BHC	128794705	161458600	161458600	0.010	-25.36121	15.00000	Averaged	<-
5 gamma-BHC (Lindane)	73363598	93611080	93611080	0.010	-27.59881	15.00000	Averaged	<-
6 beta-BHC	45761657	57562040	57562040	0.010	-25.78662	15.00000	Averaged	<-
7 delta-BHC	109863679	139550040	139550040	0.010	-27.02109	15.00000	Averaged	<-
8 Heptachlor	90540498	124860560	124860560	0.010	-37.90576	15.00000	Averaged	<-
10 Aldrin	114771648	141741320	141741320	0.010	-23.49855	15.00000	Averaged	<-
12 Heptachlor epoxide	100418434	123579360	123579360	0.010	-23.06442	15.00000	Averaged	<-
13 gamma-Chlordane	99670232	122130280	122130280	0.010	-22.53436	15.00000	Averaged	<-
14 alpha-Chlordane	101825510	125066840	125066840	0.010	-22.82466	15.00000	Averaged	<-
15 Endosulfan I	96547530	116973000	116973000	0.010	-21.15587	15.00000	Averaged	<-
16 4,4'-DDE	103540003	128714600	128714600	0.010	-24.31388	15.00000	Averaged	<-
17 Dieldrin	102742603	125944880	125944880	0.010	-22.58292	15.00000	Averaged	<-
18 Endrin	91631696	116874040	116874040	0.010	-27.54761	15.00000	Averaged	<-
20 4,4'-DDD	63752723	87466400	87466400	0.010	-37.19634	15.00000	Averaged	<-
22 Endosulfan II	89214558	111002800	111002800	0.010	-24.42230	15.00000	Averaged	<-
23 4,4'-DDT	60776833	82602280	82602280	0.010	-35.91080	15.00000	Averaged	<-
25 Endrin aldehyde	60725424	79273800	79273800	0.010	-30.54466	15.00000	Averaged	<-
27 Methoxychlor	31931631	44432640	44432640	0.010	-39.14930	15.00000	Averaged	<-
28 Endosulfan sulfate	75068450	94613640	94613640	0.010	-26.03649	15.00000	Averaged	<-
29 Endrin ketone	75318670	101878720	101878720	0.010	-35.26357	15.00000	Averaged	<-
$ 30 Decachlorobiphenyl	84660049	106544120	106544120	0.010	-25.84935	15.00000	Averaged	<-

Average %D / Drift Results.

Calculated Average %D/Drift = 27.73242
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 24-APR-2007 14:51
Lab File ID: 079F7901.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70423-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	125090000	125090000	0.000	-18.85376	15.00000	Averaged	<-
4 alpha-BHC	171507456	202675200	202675200	0.010	-18.17282	15.00000	Averaged	<-
5 gamma-BHC (Lindane)	146962380	175327720	175327720	0.010	-19.30109	15.00000	Averaged	<-
6 beta-BHC	26746158	31877920	31877920	0.010	-19.18691	15.00000	Averaged	<-
7 delta-BHC	152073721	184190920	184190920	0.010	-21.11949	15.00000	Averaged	<-
8 Heptachlor	122350670	154122360	154122360	0.010	-25.96773	15.00000	Averaged	<-
10 Aldrin	155998949	183921320	183921320	0.010	-17.89908	15.00000	Averaged	<-
12 Heptachlor epoxide	137512679	164882360	164882360	0.010	-19.90339	15.00000	Averaged	<-
13 gamma-Chlordane	136812268	162231320	162231320	0.010	-18.57951	15.00000	Averaged	<-
14 alpha-Chlordane	139043540	163060240	163060240	0.010	-17.27279	15.00000	Averaged	<-
15 Endosulfan I	129419632	151397320	151397320	0.010	-16.98173	15.00000	Averaged	<-
16 4,4'-DDE	139207758	165595400	165595400	0.010	-18.95558	15.00000	Averaged	<-
17 Dieldrin	142601504	166418880	166418880	0.010	-16.70205	15.00000	Averaged	<-
18 Endrin	119111954	144641880	144641880	0.010	-21.43355	15.00000	Averaged	<-
21 4,4'-DDD	92035861	116526600	116526600	0.010	-26.61000	15.00000	Averaged	<-
22 Endosulfan II	123582956	144993640	144993640	0.010	-17.32495	15.00000	Averaged	<-
24 4,4'-DDT	78113563	101455520	101455520	0.010	-29.88208	15.00000	Averaged	<-
25 Endrin aldehyde	82058744	99076760	99076760	0.010	-20.73882	15.00000	Averaged	<-
26 Endosulfan sulfate	100162687	112661440	112661440	0.010	-12.47845	15.00000	Averaged	
27 Methoxychlor	18928632	21574200	21574200	0.010	-13.97654	15.00000	Averaged	
29 Endrin ketone	102730933	113467280	113467280	0.010	-10.45094	15.00000	Averaged	
$ 30 Decachlorobiphenyl	50158169	56016920	56016920	0.010	-11.68055	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 18.79417
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

FORM 8
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D170102

GC Column: CLP PESTICIDES I ID: 0.53 (mm) Init. Calib. Date(s): 04/12/07 04/12/07

Instrument ID: A2HP9

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		PEM E039	05/01/07	0751		
02		AB3 E005	05/01/07	0858		
03		MRL	05/01/07	0921		
04		TOX3 D897	05/01/07	0943		
05	FWGRQLMW-008	JT12K1AD	05/01/07	1027		
06		AB3 E005	05/01/07	1411		
07		MRL	05/01/07	1433		
08		TOX3 D897	05/01/07	1648		
09		PEM E039	05/01/07	1732		
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QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Sequence: C:\HPCHEM\2\SEQUENCE\70501.S

Sequence Parameters:

Operator:	093905
Data File Naming:	Auto
Data Directory:	C:\HPCHEM\2\DATA\
Data Subdirectory:	70501
Part of Methods to run:	According to Runtime Checklist
Barcode Reader:	not used
Shutdown Cmd/Macro:	none

Sequence Comment:
AB PEST E003-E008
PEM E039
TECHLOR E009
TOXAPHENE D897
APPIX E011-E016
CHDIAL D891
MIREX E018

Sequence Table (Front Injector):

Calibration Part:

Line	Location	SampleName	Method	CalLev	Update RF	Update RT	Interval

Quantification Part:

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
1	Vial 1	HEX Lot C01E95				
2	Vial 2	PEM E039 Passf/r				
3	Vial 3	PRIMER				
4	Vial 4	AB3 E005,,2 Passf/Passr (DDT ↓)				
5	Vial 5	MRL Passf/r				
6	Vial 6	TOX3 D897,,2 Passf/r				
7	Vial 7	TC3 E009,,2 Passf/r				
8	Vial 8	JT12K1AD,5				
9	Vial 9	JVV8G1AR				
10	Vial 10	JVWAX1AA				
11	Vial 11	JVWAX1AC,2				
12	Vial 12	JV0LW1AU				
13	Vial 13	JV0TR1AA				
14	Vial 14	JV0TR1AC,5				
15	Vial 15	JVWGL1CL				
16	Vial 16	JVX901AA				
17	Vial 17	JVX901AC,5				
18	Vial 18	AB3 E005,,2 Passf(Hept, DDD ↑)/Passr(Hept ↑)				
19	Vial 19	MRL Passf/r				
20	Vial 20	JT9KN1AD,10				
21	Vial 21	JVL3P1AL				
22	Vial 22	JVWAA1AA				
23	Vial 23	JVWAA1AC,2				
24	Vial 24	JVWAA1AD,2				
25	Vial 25	TOX3 D897,,2				

Sequence: C:\HPCHEM\2\SEQUENCE\70501.S

Line	Location	SampleName	SampleAmount	ISTDAmt	Multiplier	Dilution
26	Vial 26	TC3 E009,,2				
27	Vial 27	PEM E039				
28	Vial 28	AB3 E005,,2				

Sequence Table (Back Injector):

No entries - empty table!

Sequence Output Parameters:

Print Sequence Summary Report (SSR):	No
Dest of individual reports for each run:	as specified in Method

Sequence Summary Parameters:

One page header:	No
Print Configuration:	No
Print Sequence:	No
Print Logbook:	No
Print Method(s):	No
Print Analysis reports:	No
Print Statistics for Calib. runs:	No
Print Statistics for Sample runs:	No
Summary style:	Sample Summary

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 01-MAY-2007 14:11
Lab File ID: 018F1801.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\cansvr11\dd\chem\GCS\a2hp9.i\70501-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	79043599	81976160	81976160	0.000	-3.71005	15.00000	Averaged	
4 alpha-BHC	128794705	141254160	141254160	0.010	-9.67389	15.00000	Averaged	
5 gamma-BHC (Lindane)	73363598	82076520	82076520	0.010	-11.87636	15.00000	Averaged	
6 beta-BHC	45761657	51234920	51234920	0.010	-11.96037	15.00000	Averaged	
7 delta-BHC	109863679	121962400	121962400	0.010	-11.01248	15.00000	Averaged	
8 Heptachlor	90540498	115285240	115285240	0.010	-27.33003	15.00000	Averaged	<-
10 Aldrin	114771648	121663960	121663960	0.010	-6.00524	15.00000	Averaged	
12 Heptachlor epoxide	100418434	109978240	109978240	0.010	-9.51997	15.00000	Averaged	
13 gamma-Chlordane	99670232	106036440	106036440	0.010	-6.38727	15.00000	Averaged	
14 alpha-Chlordane	101825510	107426880	107426880	0.010	-5.50095	15.00000	Averaged	
15 Endosulfan I	96547530	105286320	105286320	0.010	-9.05128	15.00000	Averaged	
16 4,4'-DDE	103540003	111314480	111314480	0.010	-7.50867	15.00000	Averaged	
17 Dieldrin	102742603	107923920	107923920	0.010	-5.04301	15.00000	Averaged	
18 Endrin	91631696	102708640	102708640	0.010	-12.08855	15.00000	Averaged	
20 4,4'-DDD	63752723	77866160	77866160	0.010	-22.13778	15.00000	Averaged	<-
22 Endosulfan II	89214558	89936760	89936760	0.010	-0.80951	15.00000	Averaged	
23 4,4'-DDT	60776833	61535880	61535880	0.010	-1.24891	15.00000	Averaged	
25 Endrin aldehyde	60725424	65509720	65509720	0.010	-7.87857	15.00000	Averaged	
27 Methoxychlor	31931631	33614320	33614320	0.010	-5.26966	15.00000	Averaged	
28 Endosulfan sulfate	75068450	72974960	72974960	0.010	2.78877	15.00000	Averaged	
29 Endrin ketone	75318670	73914200	73914200	0.010	1.86470	15.00000	Averaged	
$ 30 Decachlorobiphenyl	84660049	86356120	86356120	0.010	-2.00339	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.21225
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

$\frac{174.95552}{20} = 8.75$

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 01-MAY-2007 16:48
Lab File ID: 025F2501.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: TOX3 D897 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70501-1.b\PEST9.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
24 Toxaphene(1)	600539	482965	482965	0.010	19.57812	15.00000	Averaged	<-
(2)	1115471	948222	948222	0.010	14.99358	15.00000	Averaged	
(3)	1367685	1210491	1210491	0.010	11.49342	15.00000	Averaged	
(4)	1029864	861096	861096	0.010	16.38739	15.00000	Averaged	<-
(5)	781734	678776	678776	0.010	13.17050	15.00000	Averaged	

15.19%

Average %D / Drift Results.

Calculated Average %D/Drift = 15.12460
Maximun Average %D/Drift = 15.00000
* Failed Average %D/Drift Test.

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 01-MAY-2007 08:58
Lab File ID: 004F0401.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: AB3 E005 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70501-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	102795280	102795280	0.000	2.32948	15.00000	Averaged	
4 alpha-BHC	171507456	160250840	160250840	0.010	6.56334	15.00000	Averaged	
5 gamma-BHC (Lindane)	146962380	133737680	133737680	0.010	8.99870	15.00000	Averaged	
6 beta-BHC	26746158	24593400	24593400	0.010	8.04885	15.00000	Averaged	
7 delta-BHC	152073721	137209200	137209200	0.010	9.77455	15.00000	Averaged	
8 Heptachlor	122350670	108400520	108400520	0.010	11.40178	15.00000	Averaged	
10 Aldrin	155998949	145527040	145527040	0.010	6.71281	15.00000	Averaged	
12 Heptachlor epoxide	137512679	125872080	125872080	0.010	8.46511	15.00000	Averaged	
13 gamma-Chlordane	136812268	126458240	126458240	0.010	7.56806	15.00000	Averaged	
14 alpha-Chlordane	139043540	128649680	128649680	0.010	7.47526	15.00000	Averaged	
15 Endosulfan I	129419632	119217000	119217000	0.010	7.88337	15.00000	Averaged	
16 4,4'-DDE	139207758	128553360	128553360	0.010	7.65359	15.00000	Averaged	
17 Dieldrin	142601504	131918800	131918800	0.010	7.49130	15.00000	Averaged	
18 Endrin	119111954	109031760	109031760	0.010	8.46279	15.00000	Averaged	
21 4,4'-DDD	92035861	79069960	79069960	0.010	14.08788	15.00000	Averaged	
22 Endosulfan II	123582956	116289720	116289720	0.010	5.90149	15.00000	Averaged	
24 4,4'-DDT	78113563	66021640	66021640	0.010	15.47993	15.00000	Averaged	<-
25 Endrin aldehyde	82058744	74705640	74705640	0.010	8.96078	15.00000	Averaged	
26 Endosulfan sulfate	100162687	91713280	91713280	0.010	8.43568	15.00000	Averaged	
27 Methoxychlor	18928632	16094840	16094840	0.010	14.97093	15.00000	Averaged	
29 Endrin ketone	102730933	91326280	91326280	0.010	11.10148	15.00000	Averaged	
$ 30 Decachlorobiphenyl	50158169	44763760	44763760	0.010	10.75480	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 9.02372
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

185.437268 / 20 = 9.3

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 01-MAY-2007 14:33
Lab File ID: 019F1901.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: MRL Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70501-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.005	CCAL RRF0.005	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	105246988	101794400	101794400	0.000	3.28046	15.00000	Averaged	
4 alpha-BHC	171507456	162370800	162370800	0.010	5.32726	15.00000	Averaged	
5 gamma-BHC (Lindane)	146962380	140547800	140547800	0.010	4.36478	15.00000	Averaged	
6 beta-BHC	26746158	28182000	28182000	0.010	-5.36841	15.00000	Averaged	
7 delta-BHC	152073721	146384600	146384600	0.010	3.74103	15.00000	Averaged	
8 Heptachlor	122350670	132317200	132317200	0.010	-8.14587	15.00000	Averaged	
10 Aldrin	155998949	150994600	150994600	0.010	3.20794	15.00000	Averaged	
12 Heptachlor epoxide	137512679	135461400	135461400	0.010	1.49170	15.00000	Averaged	
13 gamma-Chlordane	136812268	130022600	130022600	0.010	4.96276	15.00000	Averaged	
14 alpha-Chlordane	139043540	133370000	133370000	0.010	4.08041	15.00000	Averaged	
15 Endosulfan I	129419632	126370400	126370400	0.010	2.35608	15.00000	Averaged	
16 4,4'-DDE	139207758	125248200	125248200	0.010	10.02786	15.00000	Averaged	
17 Dieldrin	142601504	132455400	132455400	0.010	7.11500	15.00000	Averaged	
18 Endrin	119111954	121555000	121555000	0.010	-2.05105	15.00000	Averaged	
21 4,4'-DDD	92035861	97551000	97551000	0.010	-5.99238	15.00000	Averaged	
22 Endosulfan II	123582956	107118600	107118600	0.010	13.32251	15.00000	Averaged	
24 4,4'-DDT	78113563	63365800	63365800	0.010	18.87990	15.00000	Averaged	<-
25 Endrin aldehyde	82058744	72335600	72335600	0.010	11.84900	15.00000	Averaged	
26 Endosulfan sulfate	100162687	85421000	85421000	0.010	14.71774	15.00000	Averaged	
27 Methoxychlor	18928632	17104200	17104200	0.010	9.63848	15.00000	Averaged	
29 Endrin ketone	102730933	85297600	85297600	0.010	16.96990	15.00000	Averaged	<-
$ 30 Decachlorobiphenyl	50158169	53723000	53723000	0.010	-7.10718	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.45444
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

153.61005 / 20 = 7.7

STL - North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp9.i Injection Date: 01-MAY-2007 16:48
Lab File ID: 025F2501.D Init. Cal. Date(s): 12-APR-2007 12-APR-2007
Analysis Type: Init. Cal. Times: 11:09 20:50
Lab Sample ID: TOX3 D897 Quant Type: ESTD
Method: \\Cansvr11\dd\chem\GCS\a2hp9.i\70501-1.b\PEST9.m\PEST9r.m

COMPOUND	RRF / AMOUNT	RF0.025	CCAL RRF0.025	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
23 Toxaphene (1)	4492994	4200175	4200175	0.010	6.51725	15.00000	Averaged	
(2)	4247130	3407794	3407794	0.010	19.76243	15.00000	Averaged	<-
(3)	6737495	5292211	5292211	0.010	21.45136	15.00000	Averaged	<-
(4)	3107323	2276255	2276255	0.010	26.74546	15.00000	Averaged	<-
(5)	2872350	2060850	2060850	0.010	28.25214	15.00000	Averaged	<-

Average %D / Drift Results.	
Calculated Average %D/Drift =	20.54573
Maximun Average %D/Drift =	15.00000
* Failed Average %D/Drift Test.	

Avg = 20.5

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AD **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/18/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7108116
Dilution Factor: 1 **Initial Wgt/Vol:** 1010 mL **Final Wgt/Vol..:** 5 mL
Method.....: SW846 8081A

PARAMETER	RESULT	REPORTING LIMIT	UNITS
alpha-BHC	ND	0.030	ug/L
beta-BHC	ND	0.030	ug/L
delta-BHC	ND	0.030	ug/L
gamma-BHC (Lindane)	ND	0.030	ug/L
Heptachlor	ND	0.030	ug/L
Aldrin	ND	0.030	ug/L
Heptachlor epoxide	ND	0.030	ug/L
Endosulfan I	ND	0.025	ug/L
Dieldrin	ND	0.030	ug/L
4,4'-DDE	ND	0.030	ug/L
Endrin	ND	0.030	ug/L
Endosulfan II	ND	0.025	ug/L
4,4'-DDD	ND	0.030	ug/L
Endosulfan sulfate	ND	0.030	ug/L
4,4'-DDT	ND	0.030	ug/L
Methoxychlor	ND	0.10	ug/L
Endrin ketone	ND	0.030	ug/L
Endrin aldehyde	ND	0.030	ug/L
alpha-Chlordane	ND	0.030	ug/L
gamma-Chlordane	ND	0.030	ug/L
Toxaphene	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(39 - 130)
Decachlorobiphenyl	72	(10 - 147)

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3DF1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D170000-299

Prep Date.....: 04/17/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/20/07 **Prep Batch #...:** 7107299
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	0.030	ug/L	SW846 8081A
beta-BHC	ND	0.030	ug/L	SW846 8081A
delta-BHC	ND	0.030	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.030	ug/L	SW846 8081A
Heptachlor	ND	0.030	ug/L	SW846 8081A
Aldrin	ND	0.030	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.030	ug/L	SW846 8081A
Endosulfan I	ND	0.025	ug/L	SW846 8081A
Dieldrin	ND	0.030	ug/L	SW846 8081A
4,4'-DDE	ND	0.030	ug/L	SW846 8081A
Endrin	ND	0.030	ug/L	SW846 8081A
Endosulfan II	ND	0.025	ug/L	SW846 8081A
4,4'-DDD	ND	0.030	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.030	ug/L	SW846 8081A
4,4'-DDT	ND	0.030	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Endrin ketone	ND	0.030	ug/L	SW846 8081A
Endrin aldehyde	ND	0.030	ug/L	SW846 8081A
alpha-Chlordane	ND	0.030	ug/L	SW846 8081A
gamma-Chlordane	ND	0.030	ug/L	SW846 8081A
Toxaphene	ND	2.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	66	(39 - 130)
Decachlorobiphenyl	45	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT9551AA **Matrix.....:** WATER
MB Lot-Sample #: A7D190000-506

Prep Date.....: 04/20/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/24/07 **Prep Batch #...:** 7109506
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	0.030	ug/L	SW846 8081A
beta-BHC	ND	0.030	ug/L	SW846 8081A
delta-BHC	ND	0.030	ug/L	SW846 8081A
gamma-BHC (Lindane)	ND	0.030	ug/L	SW846 8081A
Heptachlor	ND	0.030	ug/L	SW846 8081A
Aldrin	ND	0.030	ug/L	SW846 8081A
Heptachlor epoxide	ND	0.030	ug/L	SW846 8081A
Endosulfan I	ND	0.025	ug/L	SW846 8081A
Dieldrin	ND	0.030	ug/L	SW846 8081A
4,4'-DDE	ND	0.030	ug/L	SW846 8081A
Endrin	ND	0.030	ug/L	SW846 8081A
Endosulfan II	ND	0.025	ug/L	SW846 8081A
4,4'-DDD	ND	0.030	ug/L	SW846 8081A
Endosulfan sulfate	ND	0.030	ug/L	SW846 8081A
4,4'-DDT	ND	0.030	ug/L	SW846 8081A
Methoxychlor	ND	0.10	ug/L	SW846 8081A
Endrin ketone	ND	0.030	ug/L	SW846 8081A
Endrin aldehyde	ND	0.030	ug/L	SW846 8081A
alpha-Chlordane	ND	0.030	ug/L	SW846 8081A
gamma-Chlordane	ND	0.030	ug/L	SW846 8081A
Toxaphene	ND	2.0	ug/L	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(39 - 130)
Decachlorobiphenyl	41	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Laboratory Control Sample / Laboratory Control Sample Duplicate Outlier Report

Method Batch : 7107299 **Analysis Method :** 8081A **Analysis Date :** 04/20/2007

Preparation Batch : 7107299 **Preparation Type :** 3520C **Preparation Date :** 04/17/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

			Reported Values		Project Limits (Percent)			
LCS Lab Sample ID	**Matrix**	**Analyte Name**	**Percent Recovery**	**RPD**	**Rejection Point**	**Lower Limit**	**Upper Limit**	**RPD**
A7D170000299C	AQ	Endosulfan I	32		30.00	50.00	160.00	30.00
		Endosulfan II	41		30.00	50.00	144.00	30.00

Associated Samples

Client Sample ID	Lab Sample ID
FWGLL1mw-078C-0419-GW	A7D170102005
FWGLL1mw-080C-0420-GW	A7D170102007
FWGLL3mw-238C-0425-GW	A7D170102003
FWGLL4mw-199C-0428-GW	A7D170102001
FWGRQLmw-007C-0441-GW	A7D170102011
FWGRQLmw-009C-0443-GW	A7D170102015
FWGRQLmw-DUP1-0447-GW	A7D170102009

Scope of Data Qualification: The outlier in the LCS qualifies that analyte in all samples with the same Preparation Batch ID as the LCS

Project Number and Name: 030240.0005 - Ravenna GW

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3DF1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D170000-299
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107299
Dilution Factor: 5 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	92	(44 - 137)	SW846 8081A
beta-BHC	96	(50 - 135)	SW846 8081A
delta-BHC	99	(58 - 160)	SW846 8081A
gamma-BHC (Lindane)	**97**	**(58 - 127)**	**SW846 8081A**
Heptachlor	**107**	**(48 - 150)**	**SW846 8081A**
Aldrin	**91**	**(53 - 128)**	**SW846 8081A**
Heptachlor epoxide	95	(50 - 127)	SW846 8081A
Endosulfan I	32 a	(50 - 160)	SW846 8081A
Dieldrin	**92**	**(50 - 124)**	**SW846 8081A**
4,4'-DDE	93	(50 - 130)	SW846 8081A
Endrin	**99**	**(50 - 137)**	**SW846 8081A**
Endosulfan II	41 a	(50 - 144)	SW846 8081A
4,4'-DDD	113	(50 - 137)	SW846 8081A
Endosulfan sulfate	99	(50 - 160)	SW846 8081A
4,4'-DDT	**104**	**(50 - 145)**	**SW846 8081A**
Methoxychlor	98	(50 - 160)	SW846 8081A
Endrin ketone	99	(50 - 150)	SW846 8081A
Endrin aldehyde	100	(30 - 160)	SW846 8081A
alpha-Chlordane	94	(50 - 122)	SW846 8081A
gamma-Chlordane	98	(50 - 130)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(39 - 130)
Decachlorobiphenyl	49	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT9551AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D190000-506
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 5 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
alpha-BHC	85	(44 - 137)	SW846 8081A
beta-BHC	86	(50 - 135)	SW846 8081A
delta-BHC	91	(58 - 160)	SW846 8081A
gamma-BHC (Lindane)	**84**	**(58 - 127)**	**SW846 8081A**
Heptachlor	**87**	**(48 - 150)**	**SW846 8081A**
Aldrin	**81**	**(53 - 128)**	**SW846 8081A**
Heptachlor epoxide	86	(50 - 127)	SW846 8081A
Endosulfan I	56	(50 - 160)	SW846 8081A
Dieldrin	**81**	**(50 - 124)**	**SW846 8081A**
4,4'-DDE	87	(50 - 130)	SW846 8081A
Endrin	**87**	**(50 - 137)**	**SW846 8081A**
Endosulfan II	61	(50 - 144)	SW846 8081A
4,4'-DDD	99	(50 - 137)	SW846 8081A
Endosulfan sulfate	85	(50 - 160)	SW846 8081A
4,4'-DDT	**92**	**(50 - 145)**	**SW846 8081A**
Methoxychlor	88	(50 - 160)	SW846 8081A
Endrin ketone	82	(50 - 150)	SW846 8081A
Endrin aldehyde	81	(30 - 160)	SW846 8081A
alpha-Chlordane	86	(50 - 122)	SW846 8081A
gamma-Chlordane	88	(50 - 130)	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(39 - 130)
Decachlorobiphenyl	56	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7107299 **Analysis Method :** 8081A **Analysis Date :** 04/20/2007

Preparation Batch : 7107299 **Preparation Type :** 3520C **Preparation Date :** 04/17/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGRQLmw-007C-0441	A7D170102011S	AQ	Endosulfan I	33		0.00	40.00	140.00	20.00
FWGRQLmw-007C-0441	A7D170102011D		Endosulfan I	34		0.00	40.00	140.00	20.00

Associated Samples: Parent sample only

Client Sample ID	Lab Sample ID
FWGRQLmw-007C-0441-GW	A7D170102011

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AK-MSD
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/20/07
Prep Batch #...: 7107299
Dilution Factor: 5 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	92	(62 - 133)			SW846 8081A
	95	(62 - 133)	2.6	(0-49)	SW846 8081A
beta-BHC	93	(37 - 157)			SW846 8081A
	95	(37 - 157)	1.8	(0-54)	SW846 8081A
delta-BHC	96	(36 - 176)			SW846 8081A
	99	(36 - 176)	2.9	(0-58)	SW846 8081A
gamma-BHC (Lindane)	**97**	**(30 - 148)**			**SW846 8081A**
	101	**(30 - 148)**	**3.6**	**(0-22)**	**SW846 8081A**
Heptachlor	**108**	**(30 - 150)**			**SW846 8081A**
	114	**(30 - 150)**	**5.7**	**(0-32)**	**SW846 8081A**
Aldrin	**89**	**(30 - 150)**			**SW846 8081A**
	92	**(30 - 150)**	**3.0**	**(0-33)**	**SW846 8081A**
Heptachlor epoxide	94	(57 - 138)			SW846 8081A
	98	(57 - 138)	3.8	(0-54)	SW846 8081A
Endosulfan I	33	(30 - 150)			SW846 8081A
	34	(30 - 150)	2.9	(0-36)	SW846 8081A
Dieldrin	**88**	**(35 - 141)**			**SW846 8081A**
	93	**(35 - 141)**	**5.3**	**(0-37)**	**SW846 8081A**
4,4'-DDE	85	(30 - 146)			SW846 8081A
	90	(30 - 146)	6.2	(0-87)	SW846 8081A
Endrin	**97**	**(30 - 150)**			**SW846 8081A**
	102	**(30 - 150)**	**4.7**	**(0-40)**	**SW846 8081A**
Endosulfan II	41	(30 - 150)			SW846 8081A
	43	(30 - 150)	5.8	(0-87)	SW846 8081A
4,4'-DDD	114	(30 - 150)			SW846 8081A
	119	(30 - 150)	4.3	(0-61)	SW846 8081A
Endosulfan sulfate	97	(47 - 143)			SW846 8081A
	99	(47 - 143)	1.2	(0-53)	SW846 8081A
4,4'-DDT	**108**	**(30 - 150)**			**SW846 8081A**
	112	**(30 - 150)**	**3.6**	**(0-50)**	**SW846 8081A**
Methoxychlor	110	(27 - 178)			SW846 8081A
	104	(27 - 178)	5.0	(0-64)	SW846 8081A
Endrin ketone	102	(45 - 130)			SW846 8081A
	99	(45 - 130)	2.6	(0-55)	SW846 8081A
Endrin aldehyde	102	(30 - 150)			SW846 8081A
	102	(30 - 150)	0.44	(0-97)	SW846 8081A
alpha-Chlordane	89	(38 - 140)			SW846 8081A
	94	(38 - 140)	4.7	(0-55)	SW846 8081A
gamma-Chlordane	93	(36 - 150)			SW846 8081A
	98	(36 - 150)	4.9	(0-57)	SW846 8081A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AJ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(39 - 130)
	81	(39 - 130)
Decachlorobiphenyl	39	(10 - 147)
	29	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT7LC1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: A7D190102-019 JT7LC1AK-MSD
Date Sampled...: 04/18/07 09:55 **Date Received..:** 04/19/07
Prep Date.....: 04/20/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7109506
Dilution Factor: 5 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
alpha-BHC	85	(62 - 133)			SW846 8081A
	77	(62 - 133)	9.5	(0-49)	SW846 8081A
beta-BHC	88	(37 - 157)			SW846 8081A
	90	(37 - 157)	1.7	(0-54)	SW846 8081A
delta-BHC	92	(36 - 176)			SW846 8081A
	95	(36 - 176)	2.6	(0-58)	SW846 8081A
gamma-BHC (Lindane)	**84**	**(30 - 148)**			**SW846 8081A**
	82	**(30 - 148)**	**2.2**	**(0-22)**	**SW846 8081A**
Heptachlor	**84**	**(30 - 150)**			**SW846 8081A**
	82	**(30 - 150)**	**2.7**	**(0-32)**	**SW846 8081A**
Aldrin	**82**	**(30 - 150)**			**SW846 8081A**
	79	**(30 - 150)**	**3.6**	**(0-33)**	**SW846 8081A**
Heptachlor epoxide	99	(57 - 138)			SW846 8081A
	96	(57 - 138)	3.0	(0-54)	SW846 8081A
Endosulfan I	58	(30 - 150)			SW846 8081A
	60	(30 - 150)	2.6	(0-36)	SW846 8081A
Dieldrin	**78**	**(35 - 141)**			**SW846 8081A**
	82	**(35 - 141)**	**5.3**	**(0-37)**	**SW846 8081A**
4,4'-DDE	80	(30 - 146)			SW846 8081A
	89	(30 - 146)	11	(0-87)	SW846 8081A
Endrin	**87**	**(30 - 150)**			**SW846 8081A**
	91	**(30 - 150)**	**4.7**	**(0-40)**	**SW846 8081A**
Endosulfan II	61	(30 - 150)			SW846 8081A
	65	(30 - 150)	6.2	(0-87)	SW846 8081A
4,4'-DDD	99	(30 - 150)			SW846 8081A
	105	(30 - 150)	6.0	(0-61)	SW846 8081A
Endosulfan sulfate	87	(47 - 143)			SW846 8081A
	90	(47 - 143)	3.4	(0-53)	SW846 8081A
4,4'-DDT	**89**	**(30 - 150)**			**SW846 8081A**
	99	**(30 - 150)**	**11**	**(0-50)**	**SW846 8081A**
Methoxychlor	92	(27 - 178)			SW846 8081A
	94	(27 - 178)	2.1	(0-64)	SW846 8081A
Endrin ketone	88	(45 - 130)			SW846 8081A
	90	(45 - 130)	1.7	(0-55)	SW846 8081A
Endrin aldehyde	85	(30 - 150)			SW846 8081A
	86	(30 - 150)	0.87	(0-97)	SW846 8081A
alpha-Chlordane	83	(38 - 140)			SW846 8081A
	88	(38 - 140)	5.4	(0-55)	SW846 8081A
gamma-Chlordane	86	(36 - 150)			SW846 8081A
	91	(36 - 150)	5.2	(0-57)	SW846 8081A

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT7LC1AJ-MS **Matrix.....:** WATER
MS Lot-Sample #: A7D190102-019 JT7LC1AK-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	73	(39 - 130)
	62	(39 - 130)
Decachlorobiphenyl	57	(10 - 147)
	84	(10 - 147)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

QC Outlier Report: Field Duplicates (Non-qualified Outliers)

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

			Field Sample				Field Sample Duplicate						
Analysis Method	Matrix	Analyte Name	Client Sample ID	Ana Type	Result	Lab Qualifier	Client Sample Duplicate ID	Ana Type	Result	Lab Qualifiers	RPD Dup* (%)	RPD Criteria (%)	Result Units
8081A	AQ	beta-BHC	FWGRQLmw-009	RES	0.0083	J	FWGRQLmw-DU	RES	0.030	U	200.0	30	ug/L
8270C	AQ	bis(2-Ethylhexyl) phthalate		RES	1.6	J B		RES	2.4	J B	40.0	30	ug/L
	AQ	Diethyl phthalate		RES	0.81	J B		RES	1.0	U	200.0	30	ug/L

No qual on diethyl phthalate since parent was qualified "U" due to MB contamination
DJW 6/21/07

Note: Outlier report also includes analytes detected in one sample but not in the related sample, i.e., analyte was detected in the field sample but not in the field duplicate sample, or vice versa. In this case, RPD value assigned to the field duplicate sample is 200.

Project Number and Name: ***030240.0005 - Ravenna GW***

Subject: RE: FW: A7D170102 Pesticides
From: "Loeb, Mark" <MLoeb@stl-inc.com>
Date: Thu, 21 Jun 2007 08:21:13 -0600
To: "Erik Corbin" <ecorbin@eqm.com>
CC: "Heather Medley" <hmedley@eqm.com>

Erik,

You are right. Sorry, I did not mean to just imply.

No, the samples were not run at a lesser dilution. Dilutions were made based on the extract color and visual evaluation of the viscosity. Sample -003 was initially prepped for analysis at a 10X dilution. The 10X was not injected on the instrument.

Even at a 10x, the extract was still cloudy (suspended particulates), so it was diluted to a 50X.

MJL

MARK J. LOEB
Project Manager
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
(formerly STL North Canton)
Tel 330.966.9387 | Fax 330.497.0772

-----Original Message-----
From: Erik Corbin [mailto:ecorbin@eqm.com]
Sent: Thursday, June 21, 2007 9:53 AM
To: Loeb, Mark
Cc: Heather Medley
Subject: Re: FW: A7D170102 Pesticides

Mark,

This still does not entirely answer the question - were they run at a lesser dilution or analyzed initially at a 50x dilution?

Thanks,

Erik Corbin

Environmental Quality Management, Inc.
513-825-7500 (voice)
513-825-7495 (fax)
ecorbin@eqm.com

Loeb, Mark wrote:

> Heather,
>
> The samples are narrated as having matrix interference. The section leader indicates that the extracts were fairly dark in color and needed
>
> dilutions to run (see below).
>
> Thanks,
>
> MJL
> MARK J. LOEB
> Project Manager
> TestAmerica
> THE LEADER IN ENVIRONMENTAL TESTING
> (formerly STL North Canton)
> Tel 330.966.9387 | Fax 330.497.0772
>
> -----Original Message-----
> From: Serra, Angela
> Sent: Thursday, June 21, 2007 9:15 AM
> To: Loeb, Mark
> Cc: Leeson, Dorothy; Bucklew, Natalie; Smith, Jeff; Eberhardt, Janet; Risden, Ray; Stiller, Jennifer
> Subject: RE: A7D170102 Pesticides
>
> Pests are diluted for color due to the nature of the compounds (usually dark samples will kill the PEM).
> This will be noted on the Level 1 narrative sheet.
>
> -----Original Message-----
> From: Loeb, Mark
> Sent: Wednesday, June 20, 2007 5:58 PM
> To: Serra, Angela
> Cc: Leeson, Dorothy; Bucklew, Natalie; Smith, Jeff; Eberhardt, Janet; Risden, Ray; Stiller, Jennifer
> Subject: FW: A7D170102 Pesticides
> Importance: High
>
> A7D170102-003 WO #: JT1171AD was run at a 50X dilution. Were there any runs at a lesser dilution? Why was a 50X reported?
>
> Mark J. Loeb
> Project Manager
> TestAmerica (formerly STL - North Canton)
> 4101 Shuffel Drive, N. W.
> North Canton, OH 44720
> Direct line: 330-966-9387
> Fax: 330-497-0772
> The Leader in Environmental Testing
>
> -----Original Message-----
> From: Heather Medley [mailto:hmedley@eqm.com]
> Sent: Wednesday, June 20, 2007 4:33 PM
> To: Loeb, Mark
> Cc: Erik Corbin
> Subject: A7D170102 Pesticides
> Importance: High

Mark,

Why were the samples with elevated RL diluted? Sample -003 was reported with a 50x dilution, which diluted out the surrogates. Was a lesser diluted analysis perform? Why was the data not included in the data package?

--
Heather Medley
Environmental Quality Management, Inc.
1800 Carillon Boulevard
Cincinnati, Ohio 45240
(513) 825-7500 voice
(513) 825-7495 fax

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.

POLYCHLORINATED BIPHENYLS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-001	**Work Order #...:**	JT1121AG	**Matrix.....:**	WG
Date Sampled...:	04/16/07 15:20	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7107296				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	98	(35 - 130)
Decachlorobiphenyl	68	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

GC Semivolatiles

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AG **Matrix.....:** WG
Date Sampled...: 04/16/07 16:00 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/21/07
Prep Batch #...: 7107296
Dilution Factor: 1 **Initial Wgt/Vol:** 990 mL **Final Wgt/Vol..:** 2 mL
Method.....: SW846 8082

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	102	(35 - 130)
Decachlorobiphenyl	69	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-005	**Work Order #...:**	JT1191AG	**Matrix.....:**	WG
Date Sampled...:	04/16/07 16:05	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7107296				
Dilution Factor:	1	**Initial Wgt/Vol:**	1050 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(35 - 130)
Decachlorobiphenyl	39	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-007	**Work Order #...:**	JT12C1AG	**Matrix.....:**	WG
Date Sampled...:	04/16/07 14:20	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7107296				
Dilution Factor:	1	**Initial Wgt/Vol:**	1010 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	78	(35 - 130)
Decachlorobiphenyl	59	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-009	**Work Order #...:**	JT12E1AG	**Matrix.....:**	WG
Date Sampled...:	04/16/07 12:25	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7107296				
Dilution Factor:	1	**Initial Wgt/Vol:**	900 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(35 - 130)
Decachlorobiphenyl	36	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-011	**Work Order #...:**	JT12G1AT	**Matrix.....:**	WG
Date Sampled...:	04/16/07 11:35	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7107296				
Dilution Factor:	1	**Initial Wgt/Vol:**	1030 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(35 - 130)
Decachlorobiphenyl	13	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-013	**Work Order #...:**	JT12K1AG	**Matrix.....:**	WG
Date Sampled...:	04/16/07 11:15	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7107296				
Dilution Factor:	1	**Initial Wgt/Vol:**	1000 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(35 - 130)
Decachlorobiphenyl	12	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

GC Semivolatiles

Lot-Sample #...:	A7D170102-015	**Work Order #...:**	JT12M1AG	**Matrix.....:**	WG
Date Sampled...:	04/16/07 12:10	**Date Received..:**	04/17/07		
Prep Date.....:	04/17/07	**Analysis Date..:**	04/21/07		
Prep Batch #...:	7107296				
Dilution Factor:	1	**Initial Wgt/Vol:**	960 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	92	(35 - 130)
Decachlorobiphenyl	44	(10 - 110)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

GC Semivolatiles

Lot-Sample #...: A7D180106-015	**Work Order #...:** JT4M61AG	**Matrix.....:** WQ	
Date Sampled...: 04/16/07 18:50	**Date Received..:** 04/18/07		
Prep Date.....: 04/18/07	**Analysis Date..:** 04/20/07		
Prep Batch #...: 7108114			
Dilution Factor: 1	**Initial Wgt/Vol:** 1030 mL	**Final Wgt/Vol..:** 2 mL	
	Method.....: SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Aroclor 1016	ND	0.50	ug/L
Aroclor 1221	ND	0.50	ug/L
Aroclor 1232	ND	0.50	ug/L
Aroclor 1242	ND	0.50	ug/L
Aroclor 1248	ND	0.50	ug/L
Aroclor 1254	ND	0.50	ug/L
Aroclor 1260	ND	0.50	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	94	(35 - 130)
Decachlorobiphenyl	92	(10 - 110)

Data File: \\CANSVR11\DD\chem\GCS\a2hp4.i\704191C-1.b\044B4401.D
Report Date: 20-Apr-2007 08:05

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i
Lab File ID: 044B4401.D
Analysis Type:
Lab Sample ID: ICV
Method: \\CANSVR11\DD\chem\GCS\a2hp4.i\704191C-1.b\HP4PCBF.m

Injection Date: 20-APR-2007 01:31
Init. Cal. Date(s): 19-APR-2007 20-APR-2007
Init. Cal. Times: 13:29 01:14
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 AROCLOR-1016 (1)	844006	704514	0.010	16.52738	15.00000	Averaged	<
(2)	1295092	1173827	0.010	9.36339	15.00000	Averaged	
(3)	1977029	1875952	0.010	5.11258	15.00000	Averaged	
(4)	796712	744209	0.010	6.58995	15.00000	Averaged	
(5)	950650	864443	0.010	9.06818	15.00000	Averaged	
8 AROCLOR-1260 (1)	1679544	1564190	0.010	6.86817	15.00000	Averaged	
(2)	2382828	2454229	0.010	-2.99646	15.00000	Averaged	
(3)	1619748	1353780	0.010	16.42033	15.00000	Averaged	<
(4)	3621527	3139794	0.010	13.30193	15.00000	Averaged	
(5)	1805274	1670160	0.010	7.48439	15.00000	Averaged	

avg = 9.3

avg = 9.4

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: STL - NORTH CANTON Contract:

Lab Code: STLCAN Case No.: SAS No.: SDG No.: A7D170102

GC Column: RESTEK PEST CLPI ID: 0.53 (mm) Init. Calib. Date(s): 04/19/07 04/20/07

Instrument ID: A2HP4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 1.80 S2 : 8.47

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT	#	S2 RT	#
01		E029	04/21/07	0058	1.80		8.47	
02		MRL	04/21/07	0115	1.80		8.47	
03	FWGLL4MW-199	JT1121AG	04/21/07	0132	1.80		8.47	
04	FWGLL3MW-238	JT1171AG	04/21/07	0149	1.80		8.47	
05	FWGLL1MW-078	JT1191AG	04/21/07	0206	1.80		8.47	
06	FWGLL1MW-080	JT12C1AG	04/21/07	0224	1.80		8.47	
07	FWGRQLMW-DUP	JT12E1AG	04/21/07	0241	1.81		8.47	
08	FWGRQLMW-007	JT12G1AT	04/21/07	0258	1.80		8.47	
09	FWGRQLMW-007	JT12G1AU	04/21/07	0315	1.80		8.47	
10	FWGRQLMW-007	JT12G1AV	04/21/07	0332	1.80		8.47	
11	FWGRQLMW-008	JT12K1AG	04/21/07	0350	1.80		8.47	
12	FWGRQLMW-009	JT12M1AG	04/21/07	0407	1.80		8.47	
13	JT3CGBLK	JT3CG1AA	04/21/07	0424	1.80		8.47	
14	JT3GCCHK	JT3CG1AC	04/21/07	0441	1.80		8.47	
15		E029	04/21/07	0458	1.80		8.47	
16		MRL	04/21/07	0515	1.80		8.47	
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

QC LIMITS
S1 = TCMX (+/- 0.10 MINUTES)
S2 = DCB (+/- 0.10 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Data File: \\cansvr11\dd\chem\GCS\a2hp4.i\70420-1.b\074B7401.D
Report Date: 23-Apr-2007 14:17

STL North Canton

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: a2hp4.i Injection Date: 21-APR-2007 05:15
Lab File ID: 074B7401.D Init. Cal. Date(s): 19-APR-2007 20-APR-2007
Analysis Type: Init. Cal. Times: 13:29 01:14
Lab Sample ID: MRL Quant Type: ESTD
Method: \\cansvr11\DD\chem\GCS\a2hp4.i\70420-1.b\HP4PCBF.m

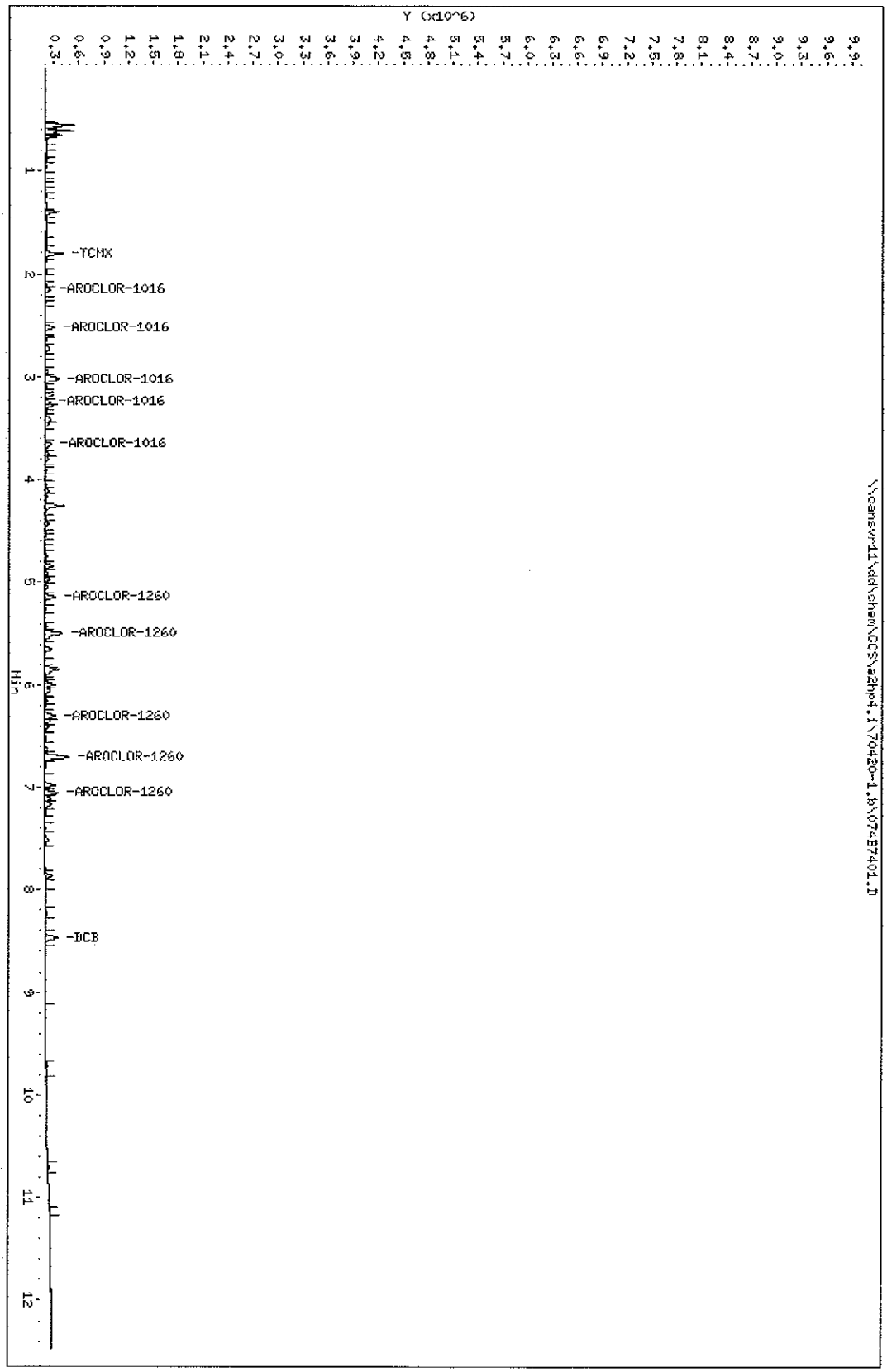
COMPOUND	RRF / AMOUNT	RF0.050	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 TCMX	52778425	8386400	0.010	-58.89826	15.00000	Averaged	<-
3 AROCLOR-1016(1)	844006	1413600	0.010	-67.48694	15.00000	Averaged	<-
(2)	1295092	2109640	0.010	-62.89505	15.00000	Averaged	<-
(3)	1977029	3232780	0.010	-63.51706	15.00000	Averaged	<-
(4)	796712	1314280	0.010	-64.96302	15.00000	Averaged	<-
(5)	950650	1526540	0.010	-60.57861	15.00000	Averaged	<-
8 AROCLOR-1260(1)	1679544	2731660	0.010	-62.64296	15.00000	Averaged	<-
(2)	2382828	4139140	0.010	-73.70701	15.00000	Averaged	<-
(3)	1619748	2585640	0.010	-59.63225	15.00000	Averaged	<-
(4)	3621527	5890440	0.010	-62.65072	15.00000	Averaged	<-
(5)	1805274	3053300	0.010	-69.13225	15.00000	Averaged	<-
$ 12 DCB	34421882	60552800	0.010	-75.91368	15.00000	Averaged	<-

Data File: \\cansvr11\dd\chem\GCS\a2hp4.i\70420-1.b\074B7401.D
Report Date: 23-Apr-2007 14:17

STL North Canton

Data file : \\cansvr11\dd\chem\GCS\a2hp4.i\70420-1.b\074B7401.D
Lab Smp Id: MRL
Inj Date : 21-APR-2007 05:15
Operator : 1808 Inst ID: a2hp4.i
Smp Info : MRL,,2
Misc Info : 12-AR1660TD.SUB
Comment :
Method : \\cansvr11\DD\chem\GCS\a2hp4.i\70420-1.b\HP4PCBF.m
Meth Date : 23-Apr-2007 14:17 a2hp4.i Quant Type: ESTD
Cal Date : 19-APR-2007 23:48 Cal File: 038B3801.D
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 12-AR1660TD.SUB
Target Version: 4.14 Sample Matrix: None
Processing Host: CANPGCSV23

				AMOUNTS				
				CAL-AMT	ON-COL			
RT	EXP RT	DLT RT	RESPONSE	(ng)	(ng)	TARGET RANGE		RATIO
$ 1 TCMX					CAS #: 877-09-8			
1.802	1.802	0.000	209660	0.00250	0.003972			
3 AROCLOR-1016					CAS #: 12674-11-2			
2.156	2.156	0.000	70680	0.05000	0.08374	80.00- 120.00		100.00
2.520	2.520	0.000	105482	0.05000	0.08145	111.93- 186.55		149.24
3.026	3.026	0.000	161639	0.05000	0.08176	171.52- 285.86		228.69
3.246	3.246	0.000	65714	0.05000	0.08248	69.73- 116.22		92.97
3.653	3.653	0.000	76327	0.05000	0.08029	80.99- 134.99		107.99
	Average of Peak Amounts =				0.08194			
8 AROCLOR-1260					CAS #: 11096-82-5			
5.145	5.145	0.000	136583	0.05000	0.08132	80.00- 120.00		100.00
5.498	5.498	0.000	206957	0.05000	0.08685	113.64- 189.41		151.52
6.303	6.303	0.000	129282	0.05000	0.07982	70.99- 118.32		94.65
6.704	6.704	0.000	294522	0.05000	0.08132	161.73- 269.54		215.64
7.057	7.057	0.000	152665	0.05000	0.08457	83.83- 139.72		111.77
	Average of Peak Amounts =				0.08278			
$ 12 DCB					CAS #: 2051-24-3			
8.469	8.469	0.000	151382	0.00250	0.004398			


Data File: \\cansvr11\dd\chem\GCS\a2hp4.i\70420-1.b\074B7401.D
Date : 21-APR-2007 05:15
Client ID:
Sample Info: MRL,,2
Column phase: restek pest clpI
Instrument: a2hp4.i
Operator: 1808
Column diameter: 0.53
\\cansvr11\dd\chem\GCS\a2hp4.i\70420-1.b\074B7401.D
Y (x10^6)
Min
-TCMX
-AROCLOR-1016
-AROCLOR-1016
-AROCLOR-1016
-AROCLOR-1016
-AROCLOR-1016
-AROCLOR-1260
-AROCLOR-1260
-AROCLOR-1260
-AROCLOR-1260
-AROCLOR-1260
-DCB

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3CG1AA **Matrix.....:** WATER
MB Lot-Sample #: A7D170000-296

Prep Date.....: 04/17/07 **Final Wgt/Vol..:** 2 mL
Analysis Date..: 04/21/07 **Prep Batch #...:** 7107296
Dilution Factor: 1 **Initial Wgt/Vol:** 1000 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	0.50	ug/L	SW846 8082
Aroclor 1221	ND	0.50	ug/L	SW846 8082
Aroclor 1232	ND	0.50	ug/L	SW846 8082
Aroclor 1242	ND	0.50	ug/L	SW846 8082
Aroclor 1248	ND	0.50	ug/L	SW846 8082
Aroclor 1254	ND	0.50	ug/L	SW846 8082
Aroclor 1260	ND	0.50	ug/L	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(35 - 130)
Decachlorobiphenyl	52	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT3CG1AC **Matrix.....:** WATER
LCS Lot-Sample#: A7D170000-296
Prep Date.....: 04/17/07 **Analysis Date..:** 04/21/07
Prep Batch #...: 7107296
Dilution Factor: 5 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 1000 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Aroclor 1016	**102**	**(50 - 115)**	**SW846 8082**
Aroclor 1260	**104**	**(45 - 112)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	89	(35 - 130)
Decachlorobiphenyl	48	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC Semivolatiles

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AU-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AV-MSD
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/17/07 **Analysis Date..:** 04/21/07
Prep Batch #...: 7107296
Dilution Factor: 5 **Initial Wgt/Vol:** 500 mL **Final Wgt/Vol..:** 2 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Aroclor 1016	**93**	**(10 - 200)**			**SW846 8082**
	94	**(10 - 200)**	**0.32**	**(0-30)**	**SW846 8082**
Aroclor 1260	**81**	**(10 - 150)**			**SW846 8082**
	79	**(10 - 150)**	**2.9**	**(0-30)**	**SW846 8082**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(35 - 130)
	90	(35 - 130)
Decachlorobiphenyl	37	(10 - 110)
	34	(10 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METALS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GF

TOTAL Metals

Lot-Sample #...: A7D170102-002 **Matrix.....:** WG
Date Sampled...: 04/16/07 15:20 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161AX
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/18-04/25/07	JT1161AA
		Dilution Factor: 1		Analysis Time..: 11:33	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**8.9**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1161AJ**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**101**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1161AN**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT1161AD
		Dilution Factor: 1		Analysis Time..: 11:33	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**85500**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1161AP**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT1161AE
		Dilution Factor: 1		Analysis Time..: 11:33	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161AQ
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161A2
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161AR
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GF

TOTAL Metals

Lot-Sample #...: A7D170102-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**2460**	**20.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT1161AF**
		Dilution Factor: 1		Analysis Time..: 11:33	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1240 J**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1161AW**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**21500**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1161AT**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**425 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1161AU**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**9230**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1161A0**
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161AV
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161AK
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT1161AC
		Dilution Factor: 1		Analysis Time..: 11:33	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161AL
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT1161AG
		Dilution Factor: 1		Analysis Time..: 11:33	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GF

TOTAL Metals

Lot-Sample #...: A7D170102-002 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT1161A1
		Dilution Factor: 1		Analysis Time..: 13:10	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.7 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT1161AH**
		Dilution Factor: 1		Analysis Time..: 11:33	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/19/07	JT1161AM
		Dilution Factor: 1		Analysis Time..: 11:59	Analyst ID.....: 001086	
		Instrument ID..: H4				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GF

TOTAL Metals

Lot-Sample #...: A7D170102-004 **Matrix.....:** WG
Date Sampled...: 04/16/07 16:00 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181A2
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**15.5 B**	**50.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT1181AE**
		Dilution Factor: 1		Analysis Time..: 11:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181AM
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**5.1 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1181AR**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT1181AG
		Dilution Factor: 1		Analysis Time..: 11:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**36700**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1181AT**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT1181AH
		Dilution Factor: 1		Analysis Time..: 11:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181AU
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181AD
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181AV
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GF

TOTAL Metals

Lot-Sample #...: A7D170102-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**185**	**20.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT1181AJ**
		Dilution Factor: 1		Analysis Time..: 11:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**1500 J**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1181A1**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**3970**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1181AW**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**1.8 B,J**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1181AX**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**2120**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1181AA**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**1.7 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT1181A0**
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181AN
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT1181AF
		Dilution Factor: 1		Analysis Time..: 11:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181AP
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT1181AK
		Dilution Factor: 1		Analysis Time..: 11:36	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GF

TOTAL Metals

Lot-Sample #...: A7D170102-004 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT1181AC
		Dilution Factor: 1		Analysis Time..: 13:15	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.5 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT1181AL**
		Dilution Factor: 1		Analysis Time..: 11:36	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/19/07	JT1181AQ
		Dilution Factor: 1		Analysis Time..: 12:00	Analyst ID.....: 001086	
		Instrument ID..: H4				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GF

TOTAL Metals

Lot-Sample #...: A7D170102-006 **Matrix.....:** WG
Date Sampled...: 04/16/07 16:05 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12A1A2
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/18-04/25/07	JT12A1AE
		Dilution Factor: 1		Analysis Time..: 11:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12A1AM
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**7.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1AR**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT12A1AG
		Dilution Factor: 1		Analysis Time..: 11:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**53000**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1AT**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT12A1AH
		Dilution Factor: 1		Analysis Time..: 11:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**1.7 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1AU**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12A1AD
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12A1AV
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GF

TOTAL Metals

Lot-Sample #...: A7D170102-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**212**	**20.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12A1AJ**
		Dilution Factor: 1		Analysis Time..: 11:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**2080 J**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1A1**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**7410**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1AW**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**24.2 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1AX**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**6450**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1AA**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**4.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12A1A0**
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT12A1AN
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT12A1AF
		Dilution Factor: 1		Analysis Time..: 11:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12A1AP
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	**0.070 B**	**1.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12A1AK**
		Dilution Factor: 1		Analysis Time..: 11:39	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GF

TOTAL Metals

Lot-Sample #...: A7D170102-006 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12A1AC
		Dilution Factor: 1		Analysis Time..: 13:20	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.9 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12A1AL**
		Dilution Factor: 1		Analysis Time..: 11:39	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/20/07	JT12A1AQ
		Dilution Factor: 1		Analysis Time..: 11:09	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GF

TOTAL Metals

Lot-Sample #...: A7D170102-008 **Matrix.....:** WG
Date Sampled...: 04/16/07 14:20 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1A2
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/18-04/25/07	JT12D1AE
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AM
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AR
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT12D1AG
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**43300**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12D1AT**
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT12D1AH
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AU
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AD
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AV
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GF

TOTAL Metals

Lot-Sample #...: A7D170102-008 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	159	20.0	ug/L	SW846 6020	04/18-04/25/07	JT12D1AJ
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	1410 J	1000	ug/L	SW846 6010B	04/18-04/23/07	JT12D1A1
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	3260	1000	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AW
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	3.5 B,J	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AX
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	1130	1000	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AA
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	2.8 B	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1A0
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AN
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT12D1AF
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AP
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT12D1AK
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GF

TOTAL Metals

Lot-Sample #...: A7D170102-008 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12D1AC
		Dilution Factor: 1		Analysis Time..: 13:25	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**6.5 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12D1AL**
		Dilution Factor: 1		Analysis Time..: 11:42	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/20/07	JT12D1AQ
		Dilution Factor: 1		Analysis Time..: 11:10	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GF

TOTAL Metals

Lot-Sample #...: A7D170102-010 **Matrix.....:** WG
Date Sampled...: 04/16/07 12:25 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12F1A2
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/18-04/25/07	JT12F1AE
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**37.8**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1AM**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**52.9**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1AR**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT12F1AG
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**32000**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1AT**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT12F1AH
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**6.3**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1AU**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12F1AD
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12F1AV
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GF

TOTAL Metals

Lot-Sample #...: A7D170102-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**20200**	**20.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12F1AJ**
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**4160 J**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1A1**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**34800**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1AW**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**1900 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1AX**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**3960**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1AA**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**6.4 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12F1A0**
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT12F1AN
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT12F1AF
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12F1AP
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	**0.097 B**	**1.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12F1AK**
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GF

TOTAL Metals

Lot-Sample #...: A7D170102-010 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12F1AC
		Dilution Factor: 1		Analysis Time..: 13:30	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**7.5 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12F1AL**
		Dilution Factor: 1		Analysis Time..: 11:45	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/20/07	JT12F1AQ
		Dilution Factor: 1		Analysis Time..: 11:11	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GF

TOTAL Metals

Lot-Sample #...: A7D170102-012 **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12J1DH
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/18-04/25/07	JT12J1AL
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**53.6**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1CA**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**58.8**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1CP**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT12J1AT
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**161000**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1CT**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT12J1AW
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**8.7**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1CW**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12J1AH
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12J1C1
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GF

TOTAL Metals

Lot-Sample #...: A7D170102-012 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**21700**	**20.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12J1A1**
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**9050 J**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1DE**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**133000**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1C4**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**2590 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1C7**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**9960**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1AA**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**12.5**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12J1DA**
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT12J1CE
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT12J1AP
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12J1CH
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	**0.029 B**	**1.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12J1A4**
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GF

TOTAL Metals

Lot-Sample #...: A7D170102-012 Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12J1AE
		Dilution Factor: 1		Analysis Time..: 13:35	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**32.4 J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12J1A7**
		Dilution Factor: 1		Analysis Time..: 11:48	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/20/07	JT12J1CL
		Dilution Factor: 1		Analysis Time..: 11:12	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GF

TOTAL Metals

Lot-Sample #...: A7D170102-014 **Matrix.....:** WG
Date Sampled...: 04/16/07 11:15 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12L1A2
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	**29.4 B**	**50.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12L1AE**
		Dilution Factor: 1		Analysis Time..: 12:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**53.3**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AM**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**152**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AR**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	**0.30 B**	**1.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12L1AG**
		Dilution Factor: 1		Analysis Time..: 12:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**86200**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AT**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT12L1AH
		Dilution Factor: 1		Analysis Time..: 12:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**2.8 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AU**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12L1AD
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	**1.9 B**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AV**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GF

TOTAL Metals

Lot-Sample #...: A7D170102-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**134000**	**100**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12L1AJ**
		Dilution Factor: 5		Analysis Time..: 17:32	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**5940 J**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1A1**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**41600**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AW**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**930 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AX**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**10900**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1AA**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**9.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12L1A0**
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT12L1AN
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT12L1AF
		Dilution Factor: 1		Analysis Time..: 12:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12L1AP
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT12L1AK
		Dilution Factor: 1		Analysis Time..: 12:11	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GF

TOTAL Metals

Lot-Sample #...: A7D170102-014 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12L1AC
		Dilution Factor: 1		Analysis Time..: 14:12	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**9.3 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12L1AL**
		Dilution Factor: 1		Analysis Time..: 12:11	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/20/07	JT12L1AQ
		Dilution Factor: 1		Analysis Time..: 11:16	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GF

TOTAL Metals

Lot-Sample #...: A7D170102-016 **Matrix.....:** WG
Date Sampled...: 04/16/07 12:10 **Date Received..:** 04/17/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108017						
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12N1A2
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/18-04/25/07	JT12N1AE
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	**40.6**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1AM**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	**56.3**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1AR**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT12N1AG
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	**33900**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1AT**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT12N1AH
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	**7.0**	**5.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1AU**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12N1AD
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12N1AV
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GF

TOTAL Metals

Lot-Sample #...: A7D170102-016 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	**21700**	**20.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12N1AJ**
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**4430 J**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1A1**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	**36900**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1AW**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	**2050 J**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1AX**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	**4360**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1AA**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	**5.5 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT12N1A0**
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT12N1AN
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT12N1AF
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT12N1AP
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	**0.079 B**	**1.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12N1AK**
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GF

TOTAL Metals

Lot-Sample #...: A7D170102-016 **Matrix.....:** WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT12N1AC
		Dilution Factor: 1		Analysis Time..: 14:17	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**7.7 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT12N1AL**
		Dilution Factor: 1		Analysis Time..: 12:14	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/20/07	JT12N1AQ
		Dilution Factor: 1		Analysis Time..: 11:17	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

B Estimated result. Result is less than RL.

STL North Canton

Metals Data Reporting Form

Contract Required Detection Limit Standard

Instrument: ICPMS **Units:** ug/L

Chart Number: 042507b.rep **Acceptable Range:** 70% - 130%

Standard Source: Ultra **Standard ID:**

Element	WL/ Mass	True Conc	QC Std 3 04/25/07 11:06 AM Found	% Rec	QC Std 3 04/25/07 7:34 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Aluminum	27	50.0	53.52	**107.0**	48.00	**96.0**						
Antimony	121	2.0	1.74	**87.0**	1.35	**67.7**						
Beryllium	9	1.0	0.99	**98.9**	1.09	**109.3**						
Cadmium	111	0.5	0.52	**103.6**	0.48	**96.4**						
Iron	57	20.0	19.97	**99.8**	13.22	**66.1**						
Thallium	205	1.0	1.04	**104.1**	0.98	**97.8**						
Zinc	68	10.0	10.10	**101.0**	10.48	**104.8**						

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 04/23/07 12:49 PM Found	Q	CCB 04/23/07 1:56 PM Found	Q	CCB 04/23/07 3:05 PM Found	Q	CCB 04/23/07 4:11 PM Found	Q	CCB 04/23/07 5:19 PM Found	Q
Arsenic	189.042	5	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Barium	493.409	10	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Calcium	317.933	1000	9.9	U	9.9	U	9.9	U	9.9	U	9.9	U
Chromium	267.716	5	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Cobalt	228.616	5	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Copper	324.753	5	4.6	U	4.6	U	4.6	U	4.6	U	4.6	U
Lead	220.353	3	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Magnesium	279.078	1000	20.3	U	20.3	U	20.3	U	20.3	U	20.3	U
Manganese	257.61	10	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Nickel	231.604	10	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
Potassium	766.491	1000	**149.0**	**B**	**154.0**	**B**	**151.0**	**B**	**149.0**	**B**	**150.0**	**B**
Selenium	196.026	5	2.7	U	**-3.7**	**B**	2.7	U	2.7	U	2.7	U
Silver	328.068	5	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Sodium	330.232	1000	598.0	U	598.0	U	598.0	U	**-650.0**	**B**	598.0	U
Vanadium	292.402	10	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL North Canton

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: I50423A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB 04/23/07 6:26 PM Found	Q	CCB 04/23/07 7:33 PM Found	Q	CCB 04/23/07 8:41 PM Found	Q	CCB 04/23/07 9:24 PM Found	Q	Found	Q
Arsenic	189.042	5	2.4	U	2.4	U	2.4	U	2.4	U		
Barium	493.409	10	0.9	U	0.9	U	0.9	U	0.9	U		
Calcium	317.933	1000	9.9	U	9.9	U	9.9	U	9.9	U		
Chromium	267.716	5	1.3	U	1.3	U	1.3	U	1.3	U		
Cobalt	228.616	5	1.4	U	1.4	U	**1.4**	**B**	1.4	U		
Copper	324.753	5	4.6	U	4.6	U	4.6	U	4.6	U		
Lead	220.353	3	1.9	U	1.9	U	1.9	U	1.9	U		
Magnesium	279.078	1000	20.3	U	20.3	U	20.3	U	20.3	U		
Manganese	257.61	10	0.4	U	0.4	U	0.4	U	0.4	U		
Nickel	231.604	10	1.7	U	1.7	U	**1.7**	**B**	1.7	U		
Potassium	766.491	1000	**149.0**	**B**	**151.0**	**B**	**165.0**	**B**	**149.0**	**B**		
Selenium	196.026	5	**-3.7**	**B**	2.7	U	2.7	U	2.7	U		
Silver	328.068	5	1.1	U	1.1	U	**1.2**	**B**	1.1	U		
Sodium	330.232	1000	598.0	U	598.0	U	598.0	U	598.0	U		
Vanadium	292.402	10	2.3	U	2.3	U	2.3	U	2.3	U		

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

TOTAL Metals

Lot-Sample #...: A7D180106-015 **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7108270						
Silver	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A7
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Aluminum	ND	50.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AK
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Arsenic	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AT
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Barium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AX
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Beryllium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AM
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Calcium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A0
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Cadmium	ND	0.50	ug/L	SW846 6020	04/19-04/25/07	JT4M61AN
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Cobalt	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A1
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Chromium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61CA
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Copper	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A2
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

TOTAL Metals

Lot-Sample #...: A7D180106-015 **Matrix.....:** WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	ND	20.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AP
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Potassium	**143 B,J**	**1000**	**ug/L**	**SW846 6010B**	**04/19-04/23/07**	**JT4M61A6**
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Magnesium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A3
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Manganese	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A4
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Sodium	ND	1000	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A8
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Nickel	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A5
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Lead	ND	3.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AU
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Antimony	ND	2.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AL
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Selenium	ND	5.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61AV
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Thallium	ND	1.0	ug/L	SW846 6020	04/19-04/25/07	JT4M61AQ
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				

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Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

TOTAL Metals

Lot-Sample #...: A7D180106-015 Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Vanadium	ND	10.0	ug/L	SW846 6010B	04/19-04/23/07	JT4M61A9
		Dilution Factor: 1		Analysis Time..: 15:40	Analyst ID.....: 001637	
		Instrument ID..: I5				
Zinc	**5.3 B,J**	**10.0**	**ug/L**	**SW846 6020**	**04/19-04/25/07**	**JT4M61AR**
		Dilution Factor: 1		Analysis Time..: 13:07	Analyst ID.....: 002260	
		Instrument ID..: I7				
Mercury	ND	0.20	ug/L	SW846 7470A	04/19-04/20/07	JT4M61AW
		Dilution Factor: 1		Analysis Time..: 12:13	Analyst ID.....: 001086	
		Instrument ID..: H1				

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Method Blank Outlier Report

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN
Analysis Method : 6010B **Analysis Date :** 04/23/2007
Preparation Type : 3005A **Preparation Date :** 04/18/2007
Method Blank Lab Sample ID : A7D180000017B **Preparation Batch :** 7108017

Manganese	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	1.0	10.0	ug/L	B	

Result less than 1/2 MRL, acceptable per LCS, NO qual DMW 6/12/07

Manganese was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGLL1mw-080C-0420-GF	A7D170102008	1	3.5	B J	ug/L
FWGLL3mw-238C-0425-GF	A7D170102004	1	1.8	B J	ug/L

Potassium	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	149	1000	ug/L	B	

Potassium contamination found in the method blank did not qualify any samples.

Zinc	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	5.6	10.0	ug/L	B	

Zinc was qualified due to method blank contamination in the following associated samples:

Client Sample ID	Lab Sample ID	Dilution	Result	Lab Qual	Result Units
FWGLL1mw-078C-0419-GF	A7D170102006	1	5.9	B J	ug/L
FWGLL1mw-080C-0420-GF	A7D170102008	1	6.5	B J	ug/L
FWGLL3mw-238C-0425-GF	A7D170102004	1	5.5	B J	ug/L
FWGLL4mw-199C-0428-GF	A7D170102002	1	6.7	B J	ug/L
FWGRQLmw-008C-0442-GF	A7D170102014	1	9.3	B J	ug/L
FWGRQLmw-009C-0443-GF	A7D170102016	1	7.7	B J	ug/L
FWGRQLmw-DUP1-0447-GF	A7D170102010	1	7.5	B J	ug/L

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7D180000-017 **Prep Batch #...:** 7108017						
Aluminum	ND	50.0	ug/L	SW846 6020	04/18-04/25/07	JT4J81AE
		Dilution Factor: 1				
		Analysis Time..: 11:26		Analyst ID.....: 002260	Instrument ID..: I7	
Antimony	ND	2.0	ug/L	SW846 6020	04/18-04/25/07	JT4J81AF
		Dilution Factor: 1				
		Analysis Time..: 11:26		Analyst ID.....: 002260	Instrument ID..: I7	
Arsenic	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AM
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Barium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AR
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Beryllium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT4J81AG
		Dilution Factor: 1				
		Analysis Time..: 11:26		Analyst ID.....: 002260	Instrument ID..: I7	
Cadmium	ND	0.50	ug/L	SW846 6020	04/18-04/25/07	JT4J81AH
		Dilution Factor: 1				
		Analysis Time..: 11:26		Analyst ID.....: 002260	Instrument ID..: I7	
Calcium	ND	1000	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AT
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Chromium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AD
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Cobalt	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AU
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Copper	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AV
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Iron	ND	20.0	ug/L	SW846 6020	04/18-04/25/07	JT4J81AJ
		Dilution Factor: 1				
		Analysis Time..: 11:26		Analyst ID.....: 002260	Instrument ID..: I7	

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AN
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Magnesium	ND	1000	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AW
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Manganese	**1.0 B**	**10.0**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT4J81AX**
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Nickel	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81A0
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Potassium	**149 B**	**1000**	**ug/L**	**SW846 6010B**	**04/18-04/23/07**	**JT4J81A1**
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Selenium	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AP
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Silver	ND	5.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81A2
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Sodium	ND	1000	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AA
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Thallium	ND	1.0	ug/L	SW846 6020	04/18-04/25/07	JT4J81AK
		Dilution Factor: 1				
		Analysis Time..: 11:26		Analyst ID.....: 002260	Instrument ID..: I7	
Vanadium	ND	10.0	ug/L	SW846 6010B	04/18-04/23/07	JT4J81AC
		Dilution Factor: 1				
		Analysis Time..: 12:59		Analyst ID.....: 001637	Instrument ID..: I5	
Zinc	**5.6 B**	**10.0**	**ug/L**	**SW846 6020**	**04/18-04/25/07**	**JT4J81AL**
		Dilution Factor: 1				
		Analysis Time..: 11:26		Analyst ID.....: 002260	Instrument ID..: I7	
Mercury	ND	0.20	ug/L	SW846 7470A	04/18-04/19/07	JT4J81AQ
		Dilution Factor: 1				
		Analysis Time..: 11:56		Analyst ID.....: 001086	Instrument ID..: H4	

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7D180000-017 **Prep Batch #...:** 7108017					
Sodium	106	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81A3
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Vanadium	103	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81A4
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Chromium	107	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81A5
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Aluminum	101	(70 - 118)	SW846 6020	04/18-04/25/07	JT4J81A6
		Dilution Factor: 1	Analysis Time..: 11:29	Analyst ID.....: 002260	
		Instrument ID..: I7			
Antimony	95	(62 - 110)	SW846 6020	04/18-04/25/07	JT4J81A7
		Dilution Factor: 1	Analysis Time..: 11:29	Analyst ID.....: 002260	
		Instrument ID..: I7			
Beryllium	105	(86 - 113)	SW846 6020	04/18-04/25/07	JT4J81A8
		Dilution Factor: 1	Analysis Time..: 11:29	Analyst ID.....: 002260	
		Instrument ID..: I7			
Cadmium	109	(82 - 116)	SW846 6020	04/18-04/25/07	JT4J81A9
		Dilution Factor: 1	Analysis Time..: 11:29	Analyst ID.....: 002260	
		Instrument ID..: I7			
Iron	102	(72 - 115)	SW846 6020	04/18-04/25/07	JT4J81CA
		Dilution Factor: 1	Analysis Time..: 11:29	Analyst ID.....: 002260	
		Instrument ID..: I7			
Thallium	100	(69 - 114)	SW846 6020	04/18-04/25/07	JT4J81CC
		Dilution Factor: 1	Analysis Time..: 11:29	Analyst ID.....: 002260	
		Instrument ID..: I7			
Zinc	119	(90 - 127)	SW846 6020	04/18-04/25/07	JT4J81CD
		Dilution Factor: 1	Analysis Time..: 11:29	Analyst ID.....: 002260	
		Instrument ID..: I7			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	100	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CE
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Lead	100	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CF
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Selenium	108	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CG
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Barium	104	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CJ
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Calcium	104	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CK
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Cobalt	103	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CL
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Copper	105	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CM
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Magnesium	104	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CN
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Manganese	105	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CP
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Nickel	100	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CQ
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Potassium	103	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CR
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Silver	115	(80 - 120)	SW846 6010B	04/18-04/23/07	JT4J81CT
		Dilution Factor: 1	Analysis Time..: 13:04	Analyst ID.....: 001637	
		Instrument ID..: I5			
Mercury	106	(82 - 131)	SW846 7470A	04/18-04/19/07	JT4J81CH
		Dilution Factor: 1	Analysis Time..: 11:57	Analyst ID.....: 001086	
		Instrument ID..: H4			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7108017 **Analysis Method :** 6010B **Analysis Date :** 04/23/2007

Preparation Batch : 7108017 **Preparation Type :** 3005A **Preparation Date :** 04/18/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGRQLmw-007C-0441	A7D170102012S	AQ	Manganese	0		30.00	75.00	125.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWGLL1mw-078C-0419-GF	A7D170102006
FWGLL1mw-080C-0420-GF	A7D170102008
FWGLL3mw-238C-0425-GF	A7D170102004
FWGLL4mw-199C-0428-GF	A7D170102002
FWGRQLmw-007C-0441-GF	A7D170102012
FWGRQLmw-008C-0442-GF	A7D170102014
FWGRQLmw-009C-0443-GF	A7D170102016
FWGRQLmw-DUP1-0447-GF	A7D170102010

No qualifications because parent concentration 7 4x Spike conc.
6/20/2007

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7108017 **Analysis Method :** 6020 **Analysis Date :** 04/25/2007

Preparation Batch : 7108017 **Preparation Type :** 3005A **Preparation Date :** 04/18/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGRQLmw-007C-0441	A7D170102012S	AQ	Iron	0		30.00	75.00	125.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWGLL1mw-078C-0419-GF	A7D170102006
FWGLL1mw-080C-0420-GF	A7D170102008
FWGLL3mw-238C-0425-GF	A7D170102004
FWGLL4mw-199C-0428-GF	A7D170102002
FWGRQLmw-007C-0441-GF	A7D170102012
FWGRQLmw-008C-0442-GF	A7D170102014
FWGRQLmw-009C-0443-GF	A7D170102016
FWGRQLmw-DUP1-0447-GF	A7D170102010

No qualifications because parent concentration 5x+ spike conc.
dhw 6/20/07

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7D170102-012 **Prep Batch #...:** 7108017					
Aluminum	96	(70 - 130)	SW846 6020	04/18-04/25/07	JT12J1AM
		Dilution Factor: 1	Analysis Time..: 11:48	Instrument ID..: I7	
		Analyst ID.....: 002260			
Antimony	103	(70 - 130)	SW846 6020	04/18-04/25/07	JT12J1AQ
		Dilution Factor: 1	Analysis Time..: 11:48	Instrument ID..: I7	
		Analyst ID.....: 002260			
Arsenic	101	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1CC
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Barium	107	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1CQ
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Beryllium	105	(70 - 130)	SW846 6020	04/18-04/25/07	JT12J1AU
		Dilution Factor: 1	Analysis Time..: 11:48	Instrument ID..: I7	
		Analyst ID.....: 002260			
Cadmium	109	(70 - 130)	SW846 6020	04/18-04/25/07	JT12J1AX
		Dilution Factor: 1	Analysis Time..: 11:48	Instrument ID..: I7	
		Analyst ID.....: 002260			
Calcium	94	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1CU
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Chromium	106	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1AJ
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Cobalt	102	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1CX
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Copper	107	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1C2
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	NC,MSB	(70 - 130)	SW846 6020	04/18-04/25/07	JT12J1A2
		Dilution Factor: 1	Analysis Time..: 11:48	Instrument ID..: I7	
		Analyst ID.....: 002260			
Lead	98	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1CF
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Magnesium	104	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1C5
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Manganese	NC,MSB	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1C8
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Nickel	97	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1DC
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Potassium	111	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1DF
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Selenium	109	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1CJ
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Silver	117	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1DJ
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Sodium	110	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1AC
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			
Thallium	101	(70 - 130)	SW846 6020	04/18-04/25/07	JT12J1A5
		Dilution Factor: 1	Analysis Time..: 11:48	Instrument ID..: I7	
		Analyst ID.....: 002260			
Vanadium	103	(75 - 125)	SW846 6010B	04/18-04/23/07	JT12J1AF
		Dilution Factor: 1	Analysis Time..: 13:35	Instrument ID..: I5	
		Analyst ID.....: 001637			

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc	101	(70 - 130)	SW846 6020	04/18-04/25/07	JT12J1A8
		Dilution Factor: 1	Analysis Time..: 11:48		Instrument ID..: I7
		Analyst ID.....: 002260			
Mercury	102	(68 - 149)	SW846 7470A	04/18-04/20/07	JT12J1CM
		Dilution Factor: 1	Analysis Time..: 11:12		Instrument ID..: H1
		Analyst ID.....: 001086			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: A7D170102 **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Iron	21700	1000	22300	ug/L		SW846 6020	04/18-04/25/07	JT12J1A2
			Qualifiers: NC,MSB					
			Dilution Factor: 1		Analysis Time..: 11:48		Instrument ID..: I7	
			Analyst ID.....: 002260					
Lead	ND	500	492	ug/L	98	SW846 6010B	04/18-04/23/07	JT12J1CF
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Magnesium	133000	50000	185000	ug/L	104	SW846 6010B	04/18-04/23/07	JT12J1C5
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Manganese	2590	500	3050	ug/L		SW846 6010B	04/18-04/23/07	JT12J1C8
			Qualifiers: NC,MSB					
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Nickel	12.5	500	499	ug/L	97	SW846 6010B	04/18-04/23/07	JT12J1DC
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Potassium	9050	50000	64700	ug/L	111	SW846 6010B	04/18-04/23/07	JT12J1DF
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Selenium	ND	2000	2180	ug/L	109	SW846 6010B	04/18-04/23/07	JT12J1CJ
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Silver	ND	50.0	58.5	ug/L	117	SW846 6010B	04/18-04/23/07	JT12J1DJ
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Sodium	9960	50000	65100	ug/L	110	SW846 6010B	04/18-04/23/07	JT12J1AC
			Dilution Factor: 1		Analysis Time..: 13:35		Instrument ID..: I5	
			Analyst ID.....: 001637					
Thallium	0.029	100	101	ug/L	101	SW846 6020	04/18-04/25/07	JT12J1A5
			Dilution Factor: 1		Analysis Time..: 11:48		Instrument ID..: I7	
			Analyst ID.....: 002260					

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: Instrument Upload Run Log - Page 1 :
: Started Mon Apr 23 06:15:07 2007 by LISTM :
: Data File: UPL$CAN_DATA_ROOT:<LHG>HG10420A.PRN;1 :

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	STD1REP1	1	20-APR-2007	10:55:02			H1
2	STD2REP1	1	20-APR-2007	10:56:20			H1
3	STD3REP1	1	20-APR-2007	10:57:28			H1
4	STD4REP1	1	20-APR-2007	10:58:59			H1
5	STD5REP1	1	20-APR-2007	11:00:08			H1
6	STD6REP1	1	20-APR-2007	11:01:34			H1
7	CK5ICV	1	20-APR-2007	11:03:08			H1
8	CK4ICB	1	20-APR-2007	11:04:34			H1
9	CK3CRA\MRL	1	20-APR-2007	11:05:40			H1
10	CK2CCV	1	20-APR-2007	11:06:46			H1
11	CK1CCB	1	20-APR-2007	11:08:01			H1
12	JT12A	1	20-APR-2007	11:09:11	7108017	A7D170102	H1
13	JT12D	1	20-APR-2007	11:10:29	7108017	A7D170102	H1
14	JT12F	1	20-APR-2007	11:11:33	7108017	A7D170102	H1
15	JT12J	1	20-APR-2007	11:12:39	7108017	A7D170102	H1
16	JT12JX	1	20-APR-2007	11:14:17	7108017	A7D170102	H1
17	JT12JS	1	20-APR-2007	11:15:32	7108017	A7D170102	H1
18	JT12L	1	20-APR-2007	11:16:39	7108017	A7D170102	H1
19	JT12N	1	20-APR-2007	11:17:55	7108017	A7D170102	H1
20	JT5E4BT	1	20-APR-2007	11:19:23	7108254	A7D180000	H1
21	JT5K1BT	1	20-APR-2007	11:21:00	7108254	A7D180000	H1
22	CK2CCV	1	20-APR-2007	11:22:05			H1
23	CK1CCB	1	20-APR-2007	11:23:10			H1
24	JT5K1CT	1	20-APR-2007	11:24:17	7108254	A7D180000	H1
25	JT2LLT	1	20-APR-2007	11:25:26	7108254	7D17160	H1
26	JT2LLTS	1	20-APR-2007	11:26:30	7108254	7D17160	H1
27	JT2LLTD	1	20-APR-2007	11:27:38	7108254	7D17160	H1
28	JT5FCBT	1	20-APR-2007	11:28:43	7108258	A7D180000	H1
29	JT5K3BT	1	20-APR-2007	11:29:47	7108258	A7D180000	H1
30	JT5K3CT	1	20-APR-2007	11:30:55	7108258	A7D180000	H1
31	JT3N9T	1	20-APR-2007	11:32:14	7108258	A7D170291	H1
32	JT3N9TS	1	20-APR-2007	11:33:22	7108258	A7D170291	H1
33	JT3N9TD	1	20-APR-2007	11:34:37	7108258	A7D170291	H1
34	CK2CCV	1	20-APR-2007	11:35:44			H1
35	CK1CCB	1	20-APR-2007	11:36:54			H1
36	JT3P2T	1	20-APR-2007	11:38:02	7108258	A7D170291	H1
37	JT3P4T	1	20-APR-2007	11:39:20	7108258	A7D170291	H1
38	JT30RT	1	20-APR-2007	11:40:28	7108258	A7D170323	H1
39	JT3WQT	1	20-APR-2007	11:41:42	7108258	A7D170310	H1
40	JT7H0B	1	20-APR-2007	11:43:03	7109040	A7D190000	H1
41	JT7H0C	1	20-APR-2007	11:44:10	7109040	A7D190000	H1
42	JT582	1	20-APR-2007	11:45:37	7109040	A7D180275	H1
43	JT583	1	20-APR-2007	11:46:43	7109040	A7D180275	H1
44	JT586	1	20-APR-2007	11:47:54	7109040	A7D180275	H1

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	JT587	1	20-APR-2007	11:49:20	7109040	A7D180275	H1
46	CK2CCV	1	20-APR-2007	11:50:27			H1
47	CK1CCB	1	20-APR-2007	11:51:44			H1
48	JT588	1	20-APR-2007	11:52:51	7109040	A7D180275	H1
49	JT589	1	20-APR-2007	11:53:56	7109040	A7D180275	H1
50	JT58P	1	20-APR-2007	11:55:34	7109040	A7D180275	H1
51	JT58PS	1	20-APR-2007	11:56:45	7109040	A7D180275	H1
52	JT58PD	1	20-APR-2007	11:57:52	7109040	A7D180275	H1
53	JT58W	1	20-APR-2007	11:59:27	7109040	A7D180275	H1
54	JT59A	1	20-APR-2007	12:00:47	7109040	A7D180275	H1
55	JT59C	1	20-APR-2007	12:01:54	7109040	A7D180275	H1
56	JT5M8B	1	20-APR-2007	12:03:10	7108270	A7D180000	H1
57	JT5M8C	1	20-APR-2007	12:04:17	7108270	A7D180000	H1
58	CK2CCV	1	20-APR-2007	12:05:23			H1
59	CK1CCB	1	20-APR-2007	12:06:29			H1
60	JT4M1	1	20-APR-2007	12:07:49	7108270	A7D180106	H1
61	JT4M1X	1	20-APR-2007	12:08:57	7108270	A7D180106	H1
62	JT4M1S	1	20-APR-2007	12:10:16	7108270	A7D180106	H1
63	JT4M3	1	20-APR-2007	12:11:32	7108270	A7D180106	H1
64	JT4M5	1	20-APR-2007	12:12:44	7108270	A7D180106	H1
65	JT4M7	1	20-APR-2007	12:13:49	7108270	A7D180106	H1
66	JT4MP	1	20-APR-2007	12:14:54	7108270	A7D180106	H1
67	JT4MR	1	20-APR-2007	12:16:03	7108270	A7D180106	H1
68	JT4MV	1	20-APR-2007	12:17:13	7108270	A7D180106	H1
69	JT4MX	1	20-APR-2007	12:18:24	7108270	A7D180106	H1
70	CK2CCV	1	20-APR-2007	12:20:20			H1
71	CK1CCB	1	20-APR-2007	12:21:38			H1
72	JT4NA	1	20-APR-2007	12:22:54	7108270	A7D180106	H1
73	JT4ND	1	20-APR-2007	12:24:22	7108270	A7D180106	H1
74	JT4NF	1	20-APR-2007	12:25:28	7108270	A7D180106	H1
75	JT4NH	1	20-APR-2007	12:26:38	7108270	A7D180106	H1
76	JT4NL	1	20-APR-2007	12:27:55	7108270	A7D180106	H1
77	JT4NV	1	20-APR-2007	12:29:04	7108270	A7D180106	H1
78	JT7HWB	1	20-APR-2007	12:30:40	7109039	A7D190000	H1
79	JT7HWC	1	20-APR-2007	12:31:56	7109039	A7D190000	H1
80	JT6FN	1	20-APR-2007	12:33:06	7109039	A7D180302	H1
81	JT6G0	1	20-APR-2007	12:34:23	7109039	A7D180302	H1
82	CK2CCV	1	20-APR-2007	12:35:33			H1
83	CK1CCB	1	20-APR-2007	12:37:28			H1
84	JT6GR	1	20-APR-2007	12:38:33	7109039	A7D180302	H1
85	JT6GT	1	20-APR-2007	12:40:01	7109039	A7D180302	H1
86	JT6GV	1	20-APR-2007	12:41:17	7109039	A7D180302	H1
87	JT6JM	1	20-APR-2007	12:42:26	7109039	A7D180306	H1
88	JT6JMF	1	20-APR-2007	12:43:35	7109039	A7D180306	H1

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89	JT5P1	1	20-APR-2007	12:44:53	7109039	A7D180209	H1
90	JT57R	1	20-APR-2007	12:46:34	7109039	A7D180263	H1
91	JT6KA	1	20-APR-2007	12:47:44	7109039	A7D180309	H1
92	JT6MC	1	20-APR-2007	12:48:51	7109039	A7D180321	H1
93	JT6MCS	1	20-APR-2007	12:50:12	7109039	A7D180321	H1
94	CK2CCV	1	20-APR-2007	12:52:00			H1
95	CK1CCB	1	20-APR-2007	12:53:21			H1
96	JT6MCD	1	20-APR-2007	12:54:26	7109039	A7D180321	H1
97	JT6ND	1	20-APR-2007	12:55:58	7109039	A7D180328	H1
98	JT6AQ	1	20-APR-2007	12:57:05	7109039	A7D180284	H1
99	CK2CCV	1	20-APR-2007	12:58:22			H1
100	CK1CCB	1	20-APR-2007	12:59:32			H1
101	CK2CCV	1	20-APR-2007	13:09:49			H1
102	CK1CCB	1	20-APR-2007	13:11:04			H1
103	JVAH7B	1	20-APR-2007	13:12:13	7110028	A7D200000	H1
104	JVAH7C	1	20-APR-2007	13:13:48	7110028	A7D200000	H1
105	JT8EC	1	20-APR-2007	13:14:53	7110028	A7D190177	H1
106	JT8ECS	1	20-APR-2007	13:15:57	7110028	A7D190177	H1
107	JT8ECD	1	20-APR-2007	13:17:03	7110028	A7D190177	H1
108	JT8ECF	1	20-APR-2007	13:18:12	7110028	A7D190177	H1
109	JT8ECFS	1	20-APR-2007	13:19:19	7110028	A7D190177	H1
110	JT8ECFD	1	20-APR-2007	13:20:26	7110028	A7D190177	H1
111	JT8ET	1	20-APR-2007	13:21:36	7110028	A7D190182	H1
112	JVAJCBF	1	20-APR-2007	13:22:51	7110030	A7D200000	H1
113	CK2CCV	1	20-APR-2007	13:24:07			H1
114	CK1CCB	1	20-APR-2007	13:25:24			H1
115	JVAJCC	1	20-APR-2007	13:26:41	7110030	A7D200000	H1
116	JT87R	1	20-APR-2007	13:27:47	7110030	A7D190283	H1
117	JT87RF	1	20-APR-2007	13:28:53	7110030	A7D190283	H1
118	JT7V2	1	20-APR-2007	13:30:03	7110030	7D19125	H1
119	JT7VM	1	20-APR-2007	13:31:09	7110030	7D19125	H1
120	JT7VMS	1	20-APR-2007	13:32:18	7110030	7D19125	H1
121	JT7VMD	1	20-APR-2007	13:33:23	7110030	7D19125	H1
122	JT8WW	1	20-APR-2007	13:34:28	7110030	A7D190247	H1
123	JVAJGB	1	20-APR-2007	13:35:36	7110032	A7D200000	H1
124	JVAJGC	1	20-APR-2007	13:36:42	7110032	A7D200000	H1
125	CK2CCV	1	20-APR-2007	13:38:00			H1
126	CK1CCB	1	20-APR-2007	13:39:10			H1
127	JT7K3	1	20-APR-2007	13:40:26	7110032	A7D190102	H1
128	JT7K5	1	20-APR-2007	13:41:33	7110032	A7D190102	H1
129	JT7KC	1	20-APR-2007	13:42:39	7110032	A7D190102	H1
130	JT7KG	1	20-APR-2007	13:44:08	7110032	A7D190102	H1
131	JT7KK	1	20-APR-2007	13:45:23	7110032	A7D190102	H1
132	JT7KN	1	20-APR-2007	13:46:37	7110032	A7D190102	H1

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
133	JT7KT	1	20-APR-2007	13:47:42	7110032	A7D190102	H1
134	JT7KX	1	20-APR-2007	13:48:49	7110032	A7D190102	H1
135	JT7L2	1	20-APR-2007	13:50:26	7110032	A7D190102	H1
136	JT7L4	1	20-APR-2007	13:51:34	7110032	A7D190102	H1
137	CK2CCV	1	20-APR-2007	13:53:01			H1
138	CK1CCB	1	20-APR-2007	13:54:08			H1
139	JT7L6	1	20-APR-2007	13:55:39	7110032	A7D190102	H1
140	JT7LA	1	20-APR-2007	13:57:07	7110032	A7D190102	H1
141	JT7LG	1	20-APR-2007	13:58:58	7110032	A7D190102	H1
142	JT7LGX	1	20-APR-2007	14:00:14	7110032	A7D190102	H1
143	JT7LGS	1	20-APR-2007	14:01:24	7110032	A7D190102	H1
144	JT7LN	1	20-APR-2007	14:02:31	7110032	A7D190102	H1
145	JT7LV	1	20-APR-2007	14:03:40	7110032	A7D190102	H1
146	JVAH3B	1	20-APR-2007	14:04:47	7110026	A7D200000	H1
147	JVAH3C	1	20-APR-2007	14:05:52	7110026	A7D200000	H1
148	JT9GT	1	20-APR-2007	14:07:08	7110026	A7D190310	H1
149	CK2CCV	1	20-APR-2007	14:08:13			H1
150	CK1CCB	1	20-APR-2007	14:09:41			H1
151	JT9GTS	1	20-APR-2007	14:10:48	7110026	A7D190310	H1
152	JT9GTD	1	20-APR-2007	14:12:54	7110026	A7D190310	H1
153	JT9KN	1	20-APR-2007	14:14:11	7110026	A7D190324	H1
154	JT9L2	1	20-APR-2007	14:15:37	7110026	A7D190328	H1
155	JT9LJ	1	20-APR-2007	14:16:45	7110026	A7D190328	H1
156	JT9LR	1	20-APR-2007	14:17:53	7110026	A7D190328	H1
157	JT9LV	1	20-APR-2007	14:18:58	7110026	A7D190328	H1
158	JT9LX	1	20-APR-2007	14:20:05	7110026	A7D190328	H1
159	JT9Q1	1	20-APR-2007	14:21:13	7110026	A7D190344	H1
160	JT9QF	1	20-APR-2007	14:22:20	7110026	A7D190344	H1
161	CK2CCV	1	20-APR-2007	14:23:26			H1
162	CK1CCB	1	20-APR-2007	14:24:40			H1
163	JT9QQ	1	20-APR-2007	14:25:57	7110026	A7D190344	H1
164	CRA	1	20-APR-2007	14:27:58			H1
165	CK2CCV	1	20-APR-2007	14:29:05			H1
166	CK1CCB	1	20-APR-2007	14:30:13			H1

End of Report

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:       Started Thu Apr 19 12:39:00 2007 by LISTM                              :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG40419E.PRN;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	WATER		19-APR-2007				H4
2	STD01REP1	1	19-APR-2007	10:52:21			H4
3	STD02REP1	1	19-APR-2007	10:53:45			H4
4	STD03REP1	1	19-APR-2007	10:55:15			H4
5	STD04REP1	1	19-APR-2007	10:56:50			H4
6	STD05REP1	1	19-APR-2007	10:59:00			H4
7	STD06REP1	1	19-APR-2007	11:01:08			H4
8	CK2ICV	1	19-APR-2007	11:03:23			H4
9	CK3ICB	1	19-APR-2007	11:04:49			H4
10	CK4CRA\MRL	1	19-APR-2007	11:06:13			H4
11	CK4CRA\MRL	1	19-APR-2007	11:07:48			H4
12	CK6CCV	1	19-APR-2007	11:09:38			H4
13	CK5CCB	1	19-APR-2007	11:10:55			H4
14	JT141BT	1	19-APR-2007	11:12:08	7108018	A7D170000	H4
15	JT4KABT	1	19-APR-2007	11:13:32	7108018	A7D180000	H4
16	JT4KACT	1	19-APR-2007	11:15:04	7108018	A7D180000	H4
17	JT0Q9T	1	19-APR-2007	11:17:22	7108018	A7D160102	H4
18	JT0Q9TS	1	19-APR-2007	11:18:40	7108018	A7D160102	H4
19	JT0Q9TD	1	19-APR-2007	11:20:08	7108018	A7D160102	H4
20	JT4J4B	1	19-APR-2007	11:21:43	7108015	A7D180000	H4
21	JT4J4C	1	19-APR-2007	11:23:12	7108015	A7D180000	H4
22	JT01M	1	19-APR-2007	11:24:56	7108015	A7D160127	H4
23	JT3AF	1	19-APR-2007	11:26:12	7108015	A7D170233	H4
24	CK6CCV	1	19-APR-2007	11:27:42			H4
25	CK5CCB	1	19-APR-2007	11:29:19			H4
26	JT3CL	1	19-APR-2007	11:30:37	7108015	A7D170233	H4
27	JT3DW	1	19-APR-2007	11:32:02	7108015	A7D170243	H4
28	JT3HM	1	19-APR-2007	11:33:37	7108015	A7D170266	H4
29	JT3MQ	1	19-APR-2007	11:35:12	7108015	A7D170285	H4
30	JT3T2	1	19-APR-2007	11:36:30	7108015	A7D170297	H4
31	JT3WH	1	19-APR-2007	11:38:24	7108015	A7D170305	H4
32	JT3WHS	1	19-APR-2007	11:39:48	7108015	A7D170305	H4
33	JT3WHD	1	19-APR-2007	11:41:01	7108015	A7D170305	H4
34	JT33P	1	19-APR-2007	11:42:16	7108015	A7D170338	H4
35	JT3P6	1	19-APR-2007	11:43:32	7108015	A7D170291	H4
36	CK6CCV	1	19-APR-2007	11:45:01			H4
37	CK5CCB	1	19-APR-2007	11:46:37			H4
38	JT4J6BF	1	19-APR-2007	11:48:15	7108016	A7D180000	H4
39	JT4J6CF	1	19-APR-2007	11:49:36	7108016	A7D180000	H4
40	JT26NF	1	19-APR-2007	11:50:51	7108016	A7D170218	H4
41	JT26NFS	1	19-APR-2007	11:52:06	7108016	A7D170218	H4
42	JT26NFD	1	19-APR-2007	11:53:24	7108016	A7D170218	H4
43	JT26QF	1	19-APR-2007	11:54:37	7108016	A7D170218	H4
44	JT4J8B	1	19-APR-2007	11:56:15	7108017	A7D180000	H4

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	JT4J8C	1	19-APR-2007	11:57:50	7108017	A7D180000	H4
46	JT116	1	19-APR-2007	11:59:06	7108017	A7D170102	H4
47	JT118	1	19-APR-2007	12:00:34	7108017	A7D170102	H4
48	CK6CCV	1	19-APR-2007	12:02:19			H4
49	CK5CCB	1	19-APR-2007	12:03:54			H4
50	JT12A	1	19-APR-2007	12:05:11	7108017	A7D170102	H4
51	JT12D	1	19-APR-2007	12:06:39	7108017	A7D170102	H4
52	JT12F	1	19-APR-2007	12:08:03	7108017	A7D170102	H4
53	JT12J	1	19-APR-2007	12:09:18	7108017	A7D170102	H4
54	JT12JX	1	19-APR-2007	12:10:34	7108017	A7D170102	H4
55	JT12JS	1	19-APR-2007	12:11:47	7108017	A7D170102	H4
56	JT12L	1	19-APR-2007	12:13:02	7108017	A7D170102	H4
57	JT12N	1	19-APR-2007	12:14:16	7108017	A7D170102	H4
58	MDL	1	19-APR-2007	12:15:35			H4
59	MDL	1	19-APR-2007	12:17:24			H4
60	CK6CCV	1	19-APR-2007	12:21:24			H4
61	CK6CCV	1	19-APR-2007	12:30:10			H4
62	CK5CCB	1	19-APR-2007	12:31:36			H4
63	JT12A	1	19-APR-2007	12:32:53	7108017	A7D170102	H4
64	JT12D	1	19-APR-2007	12:34:10	7108017	A7D170102	H4
65	JT12F	1	19-APR-2007	12:35:48	7108017	A7D170102	H4
66	JT12J	1	19-APR-2007	12:37:07	7108017	A7D170102	H4
67	JT12JX	1	19-APR-2007	12:38:32	7108017	A7D170102	H4
68	JT12JS	1	19-APR-2007	12:40:01	7108017	A7D170102	H4
69	JT12L	1	19-APR-2007	12:41:15	7108017	A7D170102	H4
70	JT12N	1	19-APR-2007	12:42:35	7108017	A7D170102	H4
71	MDL	1	19-APR-2007	12:43:51			H4
72	MDL	1	19-APR-2007	12:45:25			H4
73	CK6CCV	1	19-APR-2007	12:47:20			H4
74	CK5CCB	1	19-APR-2007	12:48:37			H4
75	CK6CCV	1	19-APR-2007	12:52:44			H4
76	CK5CCB	1	19-APR-2007	12:54:08			H4
77	JT12A	1	19-APR-2007	12:55:22	7108017	A7D170102	H4
78	JT12D	1	19-APR-2007	12:57:26	7108017	A7D170102	H4
79	JT12F	1	19-APR-2007	12:58:51	7108017	A7D170102	H4
80	JT12J	1	19-APR-2007	13:00:19	7108017	A7D170102	H4
81	JT12JX	1	19-APR-2007	13:01:54	7108017	A7D170102	H4
82	JT12JS	1	19-APR-2007	13:03:41	7108017	A7D170102	H4
83	JT12L	1	19-APR-2007	13:05:06	7108017	A7D170102	H4
84	JT12N	1	19-APR-2007	13:06:43	7108017	A7D170102	H4
85	MDL	1	19-APR-2007	13:07:59			H4
86	MDL	1	19-APR-2007	13:09:13			H4
87	CK6CCV	1	19-APR-2007	13:10:59			H4
88	CK5CCB	1	19-APR-2007	13:12:16			H4

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:       Instrument Upload                                    Run Log - Page  3 :
:       Started Thu Apr 19 12:39:00 2007 by LISTM                              :
:       Data File: UPL$CAN_DATA_ROOT:<LHG>HG40419E.PRN;1                       :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	CK6CCV	1	19-APR-2007	13:14:24			H4
90	CK6CCV	1	19-APR-2007	13:20:22			H4

End of Report

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:       Instrument Upload                                    Run Log - Page  1 :
:       Started Thu Apr 26 08:02:45 2007 by DAVIESB                            :
:       Data File: UPL$CAN_DATA_ROOT:<REP>042507B.REP;1                        :
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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
1	BLANK		25-APR-2007	10:44:28			I7
2	STANDARD 1		25-APR-2007	10:47:25			I7
3	STANDARD 2		25-APR-2007	10:50:24			I7
4	STANDARD 3		25-APR-2007	10:53:23			I7
5	QC STD 1		25-APR-2007	10:58:38			I7
6	QC STD 2		25-APR-2007	11:03:52			I7
7	QC STD 3		25-APR-2007	11:06:14			I7
8	QC STD 4		25-APR-2007	11:09:23			I7
9	QC STD 5		25-APR-2007	11:12:35			I7
10	QC STD 6		25-APR-2007	11:18:40			I7
11	QC STD 7		25-APR-2007	11:23:53			I7
12	JT4J8B		25-APR-2007	11:26:15	7108017	A7D180000	I7
13	JT4J8C		25-APR-2007	11:29:08	7108017	A7D180000	I7
14	JT116		25-APR-2007	11:33:30	7108017	A7D170102	I7
15	JT118		25-APR-2007	11:36:24	7108017	A7D170102	I7
16	JT12A		25-APR-2007	11:39:17	7108017	A7D170102	I7
17	JT12D		25-APR-2007	11:42:11	7108017	A7D170102	I7
18	JT12F		25-APR-2007	11:45:05	7108017	A7D170102	I7
19	JT12J		25-APR-2007	11:48:00	7108017	A7D170102	I7
20	JT12JL		25-APR-2007	11:50:55			I7
21	JT12JX		25-APR-2007	11:53:50	7108017	A7D170102	I7
22	QC STD 6		25-APR-2007	11:59:04			I7
23	QC STD 7		25-APR-2007	12:04:17			I7
24	JT12JS		25-APR-2007	12:06:41	7108017	A7D170102	I7
25	JT12L		25-APR-2007	12:11:07	7108017	A7D170102	I7
26	JT12N		25-APR-2007	12:14:01	7108017	A7D170102	I7
27	JT5M8B		25-APR-2007	12:19:13	7108270	A7D180000	I7
28	JT5M8C		25-APR-2007	12:22:06	7108270	A7D180000	I7
29	JT4MP		25-APR-2007	12:26:30	7108270	A7D180106	I7
30	JT4MR		25-APR-2007	12:29:24	7108270	A7D180106	I7
31	JT4MV		25-APR-2007	12:32:19	7108270	A7D180106	I7
32	JT4MX		25-APR-2007	12:35:13	7108270	A7D180106	I7
33	JT4M1		25-APR-2007	12:38:08	7108270	A7D180106	I7
34	QC STD 6		25-APR-2007	12:43:23			I7
35	QC STD 7		25-APR-2007	12:48:36			I7
36	JT4M1L		25-APR-2007	12:51:00			I7
37	JT4M1X		25-APR-2007	12:53:55	7108270	A7D180106	I7
38	JT4M1S		25-APR-2007	12:56:52	7108270	A7D180106	I7
39	JT4M3		25-APR-2007	13:01:18	7108270	A7D180106	I7
40	JT4M5		25-APR-2007	13:04:13	7108270	A7D180106	I7
41	JT4M6		25-APR-2007	13:07:06	7108270	A7D180106	I7
42	JT4M8		25-APR-2007	13:10:00	7108270	A7D180106	I7
43	JT4ND		25-APR-2007	13:12:54	7108270	A7D180106	I7
44	JT4NF		25-APR-2007	13:15:48	7108270	A7D180106	I7

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	JT4NH		25-APR-2007	13:18:43	7108270	A7D180106	I7
46	QC STD 6		25-APR-2007	13:23:57			I7
47	QC STD 7		25-APR-2007	13:29:10			I7
48	JT4NL		25-APR-2007	13:31:34	7108270	A7D180106	I7
49	JT4NV		25-APR-2007	13:34:29	7108270	A7D180106	I7
50	JVAJGB		25-APR-2007	13:39:45	7110032	A7D200000	I7
51	JVAJGC		25-APR-2007	13:42:41	7110032	A7D200000	I7
52	JT7KC		25-APR-2007	13:47:07	7110032	A7D190102	I7
53	JT7KG		25-APR-2007	13:50:04	7110032	A7D190102	I7
54	JT7KK		25-APR-2007	13:52:59	7110032	A7D190102	I7
55	JT7KN		25-APR-2007	13:55:53	7110032	A7D190102	I7
56	JT7KT		25-APR-2007	13:58:47	7110032	A7D190102	I7
57	JT7KX		25-APR-2007	14:01:41	7110032	A7D190102	I7
58	QC STD 6		25-APR-2007	14:06:56			I7
59	QC STD 7		25-APR-2007	14:12:09			I7
60	JT7K3		25-APR-2007	14:14:33	7110032	A7D190102	I7
61	JT7K5		25-APR-2007	14:17:28	7110032	A7D190102	I7
62	JT7LA		25-APR-2007	14:20:23	7110032	A7D190102	I7
63	JT7LG		25-APR-2007	14:23:19	7110032	A7D190102	I7
64	JT7LGL		25-APR-2007	14:26:15			I7
65	JT7LGX		25-APR-2007	14:29:12	7110032	A7D190102	I7
66	JT7LGS		25-APR-2007	14:32:08	7110032	A7D190102	I7
67	JT7LN		25-APR-2007	14:36:36	7110032	A7D190102	I7
68	JT7LQ		25-APR-2007	14:39:31	7110032	A7D190102	I7
69	JT7L2		25-APR-2007	14:42:25	7110032	A7D190102	I7
70	QC STD 6		25-APR-2007	14:47:39			I7
71	QC STD 7		25-APR-2007	14:52:52			I7
72	JT7L4		25-APR-2007	14:55:15	7110032	A7D190102	I7
73	JT7L6		25-APR-2007	14:58:10	7110032	A7D190102	I7
74	JVFWPB		25-APR-2007	15:03:25	7113019	A7D230000	I7
75	JVFWPC		25-APR-2007	15:06:20	7113019	A7D230000	I7
76	JVAJ0		25-APR-2007	15:10:46	7113019	A7D200101	I7
77	JVAJ2		25-APR-2007	15:13:42	7113019	A7D200101	I7
78	JVAJ4		25-APR-2007	15:16:38	7113019	A7D200101	I7
79	JVAJ6		25-APR-2007	15:19:34	7113019	A7D200101	I7
80	JVAJ8		25-APR-2007	15:22:32	7113019	A7D200101	I7
81	JVAJ8L		25-APR-2007	15:25:29			I7
82	QC STD 6		25-APR-2007	15:30:45			I7
83	QC STD 7		25-APR-2007	15:35:58			I7
84	JVAJGC		25-APR-2007	15:43:11	7110032	A7D200000	I7
85	JVAJ8X		25-APR-2007	15:47:36	7113019	A7D200101	I7
86	JVAJ8S		25-APR-2007	15:50:30	7113019	A7D200101	I7
87	JVAKA		25-APR-2007	15:54:55	7113019	A7D200101	I7
88	JVAKD		25-APR-2007	15:57:51	7113019	A7D200101	I7

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#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	JVAKDL		25-APR-2007	16:00:46			I7
90	JVAKDX		25-APR-2007	16:03:42	7113019	A7D200101	I7
91	JVAKDS		25-APR-2007	16:06:38	7113019	A7D200101	I7
92	JVAKH		25-APR-2007	16:11:05	7113019	A7D200101	I7
93	JVAKK		25-APR-2007	16:14:02	7113019	A7D200101	I7
94	QC STD 6		25-APR-2007	16:19:17			I7
95	QC STD 7		25-APR-2007	16:24:30			I7
96	JVAKM		25-APR-2007	16:26:55	7113019	A7D200101	I7
97	JVAKQ		25-APR-2007	16:29:53	7113019	A7D200101	I7
98	JVAKR		25-APR-2007	16:32:51	7113019	A7D200101	I7
99	JVAK1		25-APR-2007	16:35:47	7113019	A7D200101	I7
100	JVKLCB		25-APR-2007	16:41:02	7115029	A7D250000	I7
101	JVKLCC		25-APR-2007	16:43:58	7115029	A7D250000	I7
102	JVHWD		25-APR-2007	16:48:23	7115029	A7D240145	I7
103	JVHWDS		25-APR-2007	16:51:19	7115029	A7D240145	I7
104	JVHWDD		25-APR-2007	16:54:15	7115029	A7D240145	I7
105	JVHT2		25-APR-2007	16:58:42	7115029	A7D240138	I7
106	QC STD 6		25-APR-2007	17:03:57			I7
107	QC STD 7		25-APR-2007	17:09:10			I7
108	JVHT6		25-APR-2007	17:11:35	7115029	A7D240138	I7
109	JVHT7		25-APR-2007	17:14:32	7115029	A7D240138	I7
110	JVHT8		25-APR-2007	17:17:30	7115029	A7D240138	I7
111	JVHT9		25-APR-2007	17:20:28	7115029	A7D240138	I7
112	JVHVC		25-APR-2007	17:23:27	7115029	A7D240138	I7
113	JVHVD		25-APR-2007	17:26:23	7115029	A7D240138	I7
114	JVHVDL		25-APR-2007	17:29:19			I7
115	JT12L	5	25-APR-2007	17:32:14	7108017	A7D170102	I7
116	QC STD 6		25-APR-2007	17:37:29			I7
117	QC STD 7		25-APR-2007	17:42:42			I7
118	QC STD 3		25-APR-2007	19:34:52			I7
119	QC STD 4		25-APR-2007	19:38:17			I7
120	QC STD 5		25-APR-2007	19:41:28			I7
121	QC STD 6		25-APR-2007	19:48:53			I7
122	QC STD 7		25-APR-2007	19:54:06			I7
123	JVHF9B		25-APR-2007	20:11:58	7114018	A7D240000	I7
124	JVHF9C		25-APR-2007	20:14:51	7114018	A7D240000	I7
125	JVAK7		25-APR-2007	20:19:14	7114018	A7D200102	I7
126	JVAK7S		25-APR-2007	20:22:07	7114018	A7D200102	I7
127	JVAK7D		25-APR-2007	20:25:00	7114018	A7D200102	I7
128	JVALAF		25-APR-2007	20:29:24	7114018	A7D200102	I7
129	JVALAFS		25-APR-2007	20:32:18	7114018	A7D200102	I7
130	JVALAFD		25-APR-2007	20:35:12	7114018	A7D200102	I7
131	JVALC		25-APR-2007	20:39:37	7114018	A7D200102	I7
132	JVALDF		25-APR-2007	20:44:02	7114018	A7D200102	I7

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: Instrument Upload Run Log - Page 1 :
: Started Tue Apr 24 10:17:35 2007 by WILLIAML :
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1	STD1	1	23-APR-2007	10:12:00			I5
2	CAL1	1	23-APR-2007	10:17:00			I5
3	CAL2	1	23-APR-2007	10:23:00			I5
4	CAL3	1	23-APR-2007	10:29:00			I5
5	SCAL	1	23-APR-2007	10:34:00			I5
6	CAL	1	23-APR-2007	10:39:00			I5
7	ICV	1	23-APR-2007	10:45:00			I5
8	ICB	1	23-APR-2007	10:54:00			I5
9	CRI	MRL	23-APR-2007	10:59:00			I5
10	STD1	1	23-APR-2007	11:09:00			I5
11	CAL1	1	23-APR-2007	11:14:00			I5
12	CAL2	1	23-APR-2007	11:20:00			I5
13	CAL3	1	23-APR-2007	11:26:00			I5
14	SCAL	1	23-APR-2007	11:32:00			I5
15	CAL	1	23-APR-2007	11:36:00			I5
16	ICV	1	23-APR-2007	11:43:00			I5
17	ICB	1	23-APR-2007	11:51:00			I5
18	CRI	MRL	23-APR-2007	11:56:00			I5
19	ICSA	1	23-APR-2007	12:02:00			I5
20	AL	1	23-APR-2007	12:15:00			I5
21	FE	1	23-APR-2007	12:19:00			I5
22	ICSA	1	23-APR-2007	12:27:00			I5
23	ICSAB	1	23-APR-2007	12:32:00			I5
24	CCV	1	23-APR-2007	12:41:00			I5
25	CCB	1	23-APR-2007	12:49:00			I5
26	JTLEGA	1	23-APR-2007	12:54:00	7102027	A7D100107	I5
27	JT4J8B	1	23-APR-2007	12:59:00	7108017	A7D180000	I5
28	JT4J8C	1	23-APR-2007	13:04:00	7108017	A7D180000	I5
29	JT116	1	23-APR-2007	13:10:00	7108017	A7D170102	I5
30	JT118	1	23-APR-2007	13:15:00	7108017	A7D170102	I5
31	JT12A	1	23-APR-2007	13:20:00	7108017	A7D170102	I5
32	JT12D	1	23-APR-2007	13:25:00	7108017	A7D170102	I5
33	JT12F	1	23-APR-2007	13:30:00	7108017	A7D170102	I5
34	JT12J	1	23-APR-2007	13:35:00	7108017	A7D170102	I5
35	JT12JL	1	23-APR-2007	13:40:00			I5
36	CCV	1	23-APR-2007	13:48:00			I5
37	CCB	1	23-APR-2007	13:56:00			I5
38	JT12JX	1	23-APR-2007	14:01:00	7108017	A7D170102	I5
39	JT12JS	1	23-APR-2007	14:06:00	7108017	A7D170102	I5
40	JT12L	1	23-APR-2007	14:12:00	7108017	A7D170102	I5
41	JT12N	1	23-APR-2007	14:17:00	7108017	A7D170102	I5
42	JT5M8B	1	23-APR-2007	14:23:00	7108270	A7D180000	I5
43	JT5M8C	1	23-APR-2007	14:28:00	7108270	A7D180000	I5
44	JT4MP	1	23-APR-2007	14:33:00	7108270	A7D180106	I5

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VOID 4.24.07

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
45	JT4MR	1	23-APR-2007	14:38:00	7108270	A7D180106	I5
46	JT4MV	1	23-APR-2007	14:43:00	7108270	A7D180106	I5
47	JT4MX	1	23-APR-2007	14:48:00	7108270	A7D180106	I5
48	CCV	1	23-APR-2007	14:56:00			I5
49	CCB	1	23-APR-2007	15:05:00			I5
50	JT4M1	1	23-APR-2007	15:09:00	7108270	A7D180106	I5
51	JT4M1L	1	23-APR-2007	15:14:00			I5
52	JT4M1X	1	23-APR-2007	15:19:00	7108270	A7D180106	I5
53	JT4M1S	1	23-APR-2007	15:24:00	7108270	A7D180106	I5
54	JT4M3	1	23-APR-2007	15:30:00	7108270	A7D180106	I5
55	JT4M5	1	23-APR-2007	15:35:00	7108270	A7D180106	I5
56	JT4M6	1	23-APR-2007	15:40:00	7108270	A7D180106	I5
57	JT4M8	1	23-APR-2007	15:45:00	7108270	A7D180106	I5
58	JT4ND	1	23-APR-2007	15:50:00	7108270	A7D180106	I5
59	JT4NF	1	23-APR-2007	15:55:00	7108270	A7D180106	I5
60	CCV	1	23-APR-2007	16:03:00			I5
61	CCB	1	23-APR-2007	16:11:00			I5
62	JT4NH	1	23-APR-2007	16:16:00	7108270	A7D180106	I5
63	JT4NL	1	23-APR-2007	16:21:00	7108270	A7D180106	I5
64	JT4NV	1	23-APR-2007	16:26:00	7108270	A7D180106	I5
65	JVAJGB	1	23-APR-2007	16:32:00	7110032	A7D200000	I5
66	JVAJGC	1	23-APR-2007	16:37:00	7110032	A7D200000	I5
67	JT7KC	1	23-APR-2007	16:43:00	7110032	A7D190102	I5
68	JT7KG	1	23-APR-2007	16:48:00	7110032	A7D190102	I5
69	JT7KK	1	23-APR-2007	16:52:00	7110032	A7D190102	I5
70	JT7KN	1	23-APR-2007	16:57:00	7110032	A7D190102	I5
71	JT7KT	1	23-APR-2007	17:02:00	7110032	A7D190102	I5
72	CCV	1	23-APR-2007	17:11:00			I5
73	CCB	1	23-APR-2007	17:19:00			I5
74	JT7KX	1	23-APR-2007	17:24:00	7110032	A7D190102	I5
75	JT7K3	1	23-APR-2007	17:29:00	7110032	A7D190102	I5
76	JT7K5	1	23-APR-2007	17:34:00	7110032	A7D190102	I5
77	JT7LA	1	23-APR-2007	17:39:00	7110032	A7D190102	I5
78	JT7LG	1	23-APR-2007	17:44:00	7110032	A7D190102	I5
79	JT7LGL	1	23-APR-2007	17:48:00			I5
80	JT7LGX	1	23-APR-2007	17:53:00	7110032	A7D190102	I5
81	JT7LGS	1	23-APR-2007	17:58:00	7110032	A7D190102	I5
82	JT7LN	1	23-APR-2007	18:04:00	7110032	A7D190102	I5
83	JT7LQ	1	23-APR-2007	18:09:00	7110032	A7D190102	I5
84	CCV	1	23-APR-2007	18:17:00			I5
85	CCB	1	23-APR-2007	18:26:00			I5
86	JT7L2	1	23-APR-2007	18:30:00	7110032	A7D190102	I5
87	JT7L4	1	23-APR-2007	18:35:00	7110032	A7D190102	I5
88	JT7L6	1	23-APR-2007	18:40:00	7110032	A7D190102	I5

---------- (continued) ----------

#	WorkOrder	Dilution	Date	Time	Batch	Lot	Instrument
89	JVFWPB	1	23-APR-2007	18:46:00	7113019	A7D230000	I5
90	JVFWPC	1	23-APR-2007	18:51:00	7113019	A7D230000	I5
91	JVAJ0	1	23-APR-2007	18:57:00	7113019	A7D200101	I5
92	JVAJ2	1	23-APR-2007	19:02:00	7113019	A7D200101	I5
93	JVAJ4	1	23-APR-2007	19:07:00	7113019	A7D200101	I5
94	JVAJ6	1	23-APR-2007	19:12:00	7113019	A7D200101	I5
95	JVAJ8	1	23-APR-2007	19:17:00	7113019	A7D200101	I5
96	CCV	1	23-APR-2007	19:25:00			I5
97	CCB	1	23-APR-2007	19:33:00			I5
98	JVAJ8L	1	23-APR-2007	19:38:00			I5
99	JVAJ8X	1	23-APR-2007	19:43:00	7113019	A7D200101	I5
100	JVAJ8S	1	23-APR-2007	19:48:00	7113019	A7D200101	I5
101	JVAKA	1	23-APR-2007	19:54:00	7113019	A7D200101	I5
102	JVAKD	1	23-APR-2007	19:59:00	7113019	A7D200101	I5
103	JVAKDL	1	23-APR-2007	20:04:00			I5
104	JVAKDX	1	23-APR-2007	20:09:00	7113019	A7D200101	I5
105	JVAKDS	1	23-APR-2007	20:14:00	7113019	A7D200101	I5
106	JVAKH	1	23-APR-2007	20:19:00	7113019	A7D200101	I5
107	JVAKK	1	23-APR-2007	20:24:00	7113019	A7D200101	I5
108	CCV	1	23-APR-2007	20:33:00			I5
109	CCB	1	23-APR-2007	20:41:00			I5
110	JVAKM	1	23-APR-2007	20:46:00	7113019	A7D200101	I5
111	JVAKQ	1	23-APR-2007	20:51:00	7113019	A7D200101	I5
112	JVAKR	1	23-APR-2007	20:56:00	7113019	A7D200101	I5
113	JVAK1	1	23-APR-2007	21:01:00	7113019	A7D200101	I5
114	CRI	MRL	23-APR-2007	21:09:00			I5
115	CCV	1	23-APR-2007	21:15:00			I5
116	CCB	1	23-APR-2007	21:24:00			I5
117	CCV	1	23-APR-2007	22:14:00			I5
118	CCB	1	23-APR-2007	22:22:00			I5
119	JVFWKB	1	23-APR-2007	22:27:00	7113017	A7D230000	I5
120	JVFWKC	1	23-APR-2007	22:32:00	7113017	A7D230000	I5
121	JVE39	1	23-APR-2007	22:39:00	7113017	A7D210141	I5
122	JVE4X	1	23-APR-2007	22:43:00	7113017	A7D210141	I5
123	JVC23	1	23-APR-2007	22:48:00	7113017	A7D200252	I5
124	JVC4K	1	23-APR-2007	22:53:00	7113017	A7D200282	I5
125	JVEXJ	1	23-APR-2007	22:58:00	7113017	7D19248	I5
126	JVEXN	1	23-APR-2007	23:03:00	7113017	7D19248	I5
127	JVEXP	1	23-APR-2007	23:08:00	7113017	7D19248	I5
128	JVEXR	1	23-APR-2007	23:13:00	7113017	7D19248	I5
129	CCV	1	23-APR-2007	23:21:00			I5
130	CCB	1	23-APR-2007	23:30:00			I5
131	JVEXT	1	23-APR-2007	23:34:00	7113017	7D19248	I5
132	JVEXX	1	23-APR-2007	23:39:00	7113017	7D19248	I5

(continued)

GENERAL CHEMISTRY DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

General Chemistry

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT112 **Matrix.....:** WG
Date Sampled...: 04/16/07 15:20 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/19/07	7109453
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

General Chemistry

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT117 **Matrix.....:** WG
Date Sampled...: 04/16/07 16:00 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/19/07	7109453
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

General Chemistry

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT119 **Matrix.....:** WG
Date Sampled...: 04/16/07 16:05 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/19/07	7109453
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

General Chemistry

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C **Matrix.....:** WG
Date Sampled...: 04/16/07 14:20 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/19/07	7109453
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

General Chemistry

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E **Matrix.....:** WG
Date Sampled...: 04/16/07 12:25 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/19/07	7109453
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

General Chemistry

Lot-Sample #...: A7D170102-011 **Work Order #...:** JT12G **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	**0.010**	**0.010**	**mg/L**	**SW846 9012A**	**04/19/07**	**7109453**
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1				

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

General Chemistry

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K **Matrix.....:** WG
Date Sampled...: 04/16/07 11:15 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	**0.13 B**	**0.50**	**mg/L**	**MCAWW 353.2**	**04/25-04/26/07**	**7115222**
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

General Chemistry

Lot-Sample #...: A7D170102-015 **Work Order #...:** JT12M **Matrix.....:** WG
Date Sampled...: 04/16/07 12:10 **Date Received..:** 04/17/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1				
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1				

QC Outlier Report: Temperature (Non-qualified Outliers)

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temperature (C)	Criteria	
					Lower Limit	Upper Limit
FWGLL3mw-238C-0425-G	A7D170102003	353.2 Modified	AQ	6.5	2.0	6.0
		9012A	AQ	6.5	2.0	6.0

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

General Chemistry

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M6 **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	04/20/07	7110422
	Dilution Factor: 1					
Nitrocellulose	ND	0.50	mg/L	MCAWW 353.2	04/30-05/02/07	7120390
	Dilution Factor: 1					

Method Blank Outlier Report

Lab Reporting Batch : A7D170102
Lab ID: STLCAN
Analysis Method : 9012A
Analysis Date : 04/20/2007
Preparation Type : Gen Prep
Preparation Date : 04/20/2007
Method Blank Lab Sample ID : A7D200000422B
Preparation Batch : 7110422

Cyanide	Result	Reporting Limit	Units	Lab Qual	Comments
Method Blank Result:	0.0069	0.010	mg/L	B	

Cyanide contamination found in the method blank did not qualify any samples.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7D170102 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JT9RV1AA		MB Lot-Sample #:	A7D190000-453	
	ND	0.010	mg/L	SW846 9012A	04/19/07	7109453
		Dilution Factor: 1				
Cyanide, Total		Work Order #: JVDT81AA		MB Lot-Sample #:	A7D200000-422	
	0.0069 B	**0.010**	**mg/L**	**SW846 9012A**	**04/20/07**	**7110422**
		Dilution Factor: 1				
Nitrocellulose		Work Order #: JVLGP1AA		MB Lot-Sample #:	G7D250000-222	
	ND	0.50	mg/L	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D170102 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: JT9RV1AC	LCS Lot-Sample#: A7D190000-453		
	108	(69 - 118)	SW846 9012A	04/19/07	7109453
		Dilution Factor: 1			
Cyanide, Total		Work Order #: JVDT81AC	LCS Lot-Sample#: A7D200000-422		
	100	(69 - 118)	SW846 9012A	04/20/07	7110422
		Dilution Factor: 1			
Nitrocellulose		Work Order #: JVLGP1AC	LCS Lot-Sample#: G7D250000-222		
	90	(37 - 155)	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Matrix Spike / Matrix Spike Duplicate Recovery and RPD Outlier Report

Method Batch : 7115222 **Analysis Method :** 353.2 Modified **Analysis Date :** 04/26/2007

Preparation Batch : 7115222 **Preparation Type :** 3535 **Preparation Date :** 04/25/2007

Lab Reporting Batch : A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Matrix	Analyte Name	Reported *		Project Limits (Percent)			
				Percent Recovery	RPD	Rejection Point**	Lower Limit	Upper Limit	RPD
FWGRQLmw-007C-0441	A7D170102011D	AQ	Nitrocellulose		27	30.00	56.00	120.00	20.00

Associated Samples: All samples in Method Batch

Client Sample ID	Lab Sample ID
FWGLL1mw-078C-0419-GW	A7D170102005
FWGLL1mw-080C-0420-GW	A7D170102007
FWGLL3mw-238C-0425-GW	A7D170102003
FWGLL4mw-199C-0428-GW	A7D170102001
FWGRQLmw-007C-0441-GW	A7D170102011
FWGRQLmw-008C-0442-GW	A7D170102013
FWGRQLmw-009C-0443-GW	A7D170102015
FWGRQLmw-DUP1-0447-GW	A7D170102009

* Only those Percent Recovery and/or RPD values outside project limits are listed in this report.
** Metal are also assessed against an upper rejection point of 150 percent for waters and 200 percent for soils and sediments

Project Number and Name: 030240.0005 - Ravenna GW

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D170102 **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: JT12G1A4-MS/JT12G1A5-MSD				MS Lot-Sample #: A7D170102-011	
	86	(42 - 140)			SW846 9012A	04/19/07	7109453
	88	(42 - 140)	2.2	(0-20)	SW846 9012A	04/19/07	7109453
		Dilution Factor: 1					
Nitrocellulose		WO#: JT12G1AX-MS/JT12G1A0-MSD				MS Lot-Sample #: A7D170102-011	
	104	(37 - 155)			MCAWW 353.2	04/25-04/26/07	7115222
	79 *	(37 - 155)	27	(0-15)	MCAWW 353.2	04/25-04/26/07	7115222
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

* Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7D170102 **Matrix.....:** WATER
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		WO#: JT4M01AM-MS/JT4M01AN-MSD				MS Lot-Sample #: A7D180106-009	
	81	(42 - 140)			SW846 9012A	04/20/07	7110422
	83	(42 - 140)	1.7	(0-20)	SW846 9012A	04/20/07	7110422

Dilution Factor: 1

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL-Canton
Konelab 250

Date : 2007-04-19
Time : 17.26

7109453

Test Cyanide
Unit mg/l

Sample ID:		Result	Resp.	Dilut	Man.dilut	Date and Time
CCV-CN	TV 0.1	0.0986	0.094	~~95.8~~ 98.6		2007-04-19 16.59
CCB-CN		0.0001	0.006			2007-04-19 16.59
ICV	TV 0.1	0.1011	0.097	101		2007-04-19 16.59
MRL	TV 0.005	0.0049	0.011	98		2007-04-19 16.59
BLANK		0.0004	0.007			2007-04-19 16.59
.025		0.0250	0.029			2007-04-19 16.59
.1		0.0956	0.092			2007-04-19 16.59
JTXC5		0.0012	0.007			2007-04-19 16.59
JTXDF		-0.0002	0.006			2007-04-19 16.59
JTXDL		0.0015	0.008			2007-04-19 16.59
CCV-CN	0.1	0.0992	0.095	99.2		2007-04-19 17.05
CCB-CN		0.0001	0.006			2007-04-19 17.05
JTXDP		0.0001	0.006			2007-04-19 17.05
JTXDT		0.0012	0.007			2007-04-19 17.05
JTXDX		0.0019	0.008			2007-04-19 17.05
JTXEC		-0.0009	0.005			2007-04-19 17.05
JTXGL		0.0002	0.007			2007-04-19 17.05
JTXGV		-0.0004	0.006			2007-04-19 17.05
JTXGX		-0.0002	0.006			2007-04-19 17.05
JTXG1		0.0000	0.006			2007-04-19 17.05
JT112		-0.0005	0.006			2007-04-19 17.05
JT117		0.0008	0.007			2007-04-19 17.05
CCV-CN	0.1	0.0998	0.095	99.8		2007-04-19 17.10
CCB-CN		-0.0005	0.006			2007-04-19 17.10
JT119		0.0000	0.006			2007-04-19 17.10
JT12C		-0.0005	0.006			2007-04-19 17.10
JT12E		-0.0000	0.006			2007-04-19 17.10
JT12G MS		0.0444	0.046			2007-04-19 17.10
JT12G MSD		0.0454	0.047			2007-04-19 17.10
JT6MC MS		0.0398	0.042			2007-04-19 17.10
JT6MC MSD		0.0360	0.038			2007-04-19 17.10
CCV-CN	0.1	0.0979	0.094	97.9		2007-04-19 17.12
CCB-CN		-0.0000	0.006			2007-04-19 17.12
CCV-CN	0.1	0.0973	0.093	97.3		2007-04-19 17.14
CCB-CN		0.0001	0.006			2007-04-19 17.14
LCS		0.6424	0.064	1+9.0		2007-04-19 17.15
JTHEM		0.2681	0.030	1+9.0		2007-04-19 17.15
JT12G		0.0101	0.015			2007-04-19 17.23
CCV-CN	0.1	0.1043	0.099	104.3		2007-04-19 17.25
CCB-CN		-0.0003	0.006			2007-04-19 17.25

Severn Trent Laboratory, North Canton
Cyanide Reagent Sheet

Date: 4/19/2007

Analyst: MFG/JM

	Reagent Name	Reagent Number
	Sulfamic Acid	WR70382
	Magnesium Chloride	WR70366
	NaOH	WR70379
	Ottawa Sand	WR60982
	H2SO4	WR70337
	Chloromine T	EST LOT 1008314
	Phosphate Buffer	EST LOT 1008643
	Pyradine Barbituric Acid	EST LOT 1007426
A	Calcium Hypochlorite	WR70023
A	Ascorbic Acid	Fisher lot # 061070
F	Zinc Acetate	WR70381
F	Sodium Acetate	WR70179
F	Methyl Red	WR70397

Cadmium carbonate: Sigma-Aldrich batch # 0306PB exp: 11/10/08

Conc.	Standard #	prep date
10 ppm p	CY7083	4/17/2007
10 ppm s	CY70887	
1 ppm s	CY70889	
ICV 0.1	CY70888	
MRL .005	CY7086	
Cal 0.2	CY7084	
CCV 0.1	CY7085	

LCS P130-502 Prep: 1/2/07
tv=0.595 mg/L, 29.75 mg/kg
MS/MSD: 2 ml 1ppm s. Tv= .04 mg/L
tv=2.0 mg/kg

Result Report AquaKem 6.5 Page: 1

STL-Canton
Konelab 250

Date : 2007-04-20
Time : 17.20

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
CCV-CN	0.0966	0.092			2007-04-20 08.08
CCB-CN	-0.0016	0.005			2007-04-20 08.08
ICV .1	0.1061	0.101	106%		2007-04-20 08.08
MRL .005	0.0037	0.010	74		2007-04-20 08.08
CCV-CN	0.1036	0.099	103.6		2007-04-20 08.10
CCB-CN	-0.0009	0.006			2007-04-20 08.10
CCV-CN	0.0956	0.092	95.6		2007-04-20 10.31
CCB-CN	-0.0000	0.006			2007-04-20 10.31
BLANK W	-0.0013	0.005			2007-04-20 10.32
LCS W	0.0333	0.036			2007-04-20 10.32
.025	0.0244	0.028	98%		2007-04-20 10.32
.1	0.0966	0.093	97%		2007-04-20 10.32
JT2AV	-0.0003	0.006			2007-04-20 10.32
JT2AV MS	0.0360	0.038			2007-04-20 10.32
JT2AV MSD	0.0361	0.039			2007-04-20 10.32
BLANK S	-0.0328	0.006		1+49.0	2007-04-20 10.32
LCS S	1.8088	0.039		1+49.0	2007-04-20 10.32
JTVTN	-0.0487	0.005		1+49.0	2007-04-20 10.32
CCV-CN	0.1010	0.096	101		2007-04-20 10.35
CCB-CN	0.0000	0.006			2007-04-20 10.35
JTVTN MS	1.9370	0.041		1+49.0	2007-04-20 10.35
JTVTN MSD	1.8413	0.039		1+49.0	2007-04-20 10.35
CCV-CN	0.1036	0.099	103.6		2007-04-20 10.36
CCB-CN	-0.0001	0.006			2007-04-20 10.36
CCV-CN	0.0978	0.094	97.8		2007-04-20 16.00
CCB-CN	0.0013	0.007			2007-04-20 16.01
JTN1Q	-0.0013	0.005			2007-04-20 16.01
JT30M	0.0020	0.008			2007-04-20 16.01
JR30Q	0.0050	0.011			2007-04-20 16.01
JT6GK	0.0064	0.012			2007-04-20 16.01
JT6HF	0.0006	0.007			2007-04-20 16.01
JTVRW	-0.0349	0.006		1+49.0	2007-04-20 16.01
JTVRX	0.0496	0.007		1+49.0	2007-04-20 16.01
JTVR0	-0.0645	0.005		1+49.0	2007-04-20 16.01
JTVTC	-0.0441	0.006		1+49.0	2007-04-20 16.01
CCV-CN	0.1032	0.098	103.2		2007-04-20 16.05
CCB-CN	0.0011	0.007			2007-04-20 16.05
JTVTE	-0.0477	0.005		1+49.0	2007-04-20 16.05
JTVTF	-0.0446	0.006		1+49.0	2007-04-20 16.05
JTVTG	-0.0618	0.005		1+49.0	2007-04-20 16.05
JTVTH	-0.0518	0.005		1+49.0	2007-04-20 16.05
JTVTJ	-0.0029	0.006		1+49.0	2007-04-20 16.05
BLANK SOLID TOTA	-0.0305	0.006		1+49.0	2007-04-20 16.09
CCV-CN	0.1060	0.101			2007-04-20 16.09
CCB-CN	0.0017	0.008			2007-04-20 16.09
CCV-CN	0.1040	0.099			2007-04-20 16.11
CCB-CN	0.0028	0.009			2007-04-20 16.12
JT12K	0.0009	0.007			2007-04-20 16.14
JT12M	0.0002	0.007			2007-04-20 16.14
JT4M6	0.0003	0.007			2007-04-20 16.14
CCV-CN	0.1048	0.100	104.8		2007-04-20 16.14
CCB-CN	0.0017	0.008			2007-04-20 16.14
JT4MN	-0.0003	0.006			2007-04-20 16.17

STL-Canton
Konelab 250

Date : 2007-04-20
Time : 17.20

Test Cyanide
Unit mg/l

Sample ID:	Result	Resp.	Dilut	Man.dilut	Date and Time
JT4MQ	0.0004	0.007			2007-04-20 16.17
CCV-CN	0.1055	0.100			2007-04-20 16.17
CCB-CN	0.0021	0.008			2007-04-20 16.17
JT4MT	-0.0007	0.006			2007-04-20 16.23
JT4MW	-0.0004	0.006			2007-04-20 16.23
JT4M0	0.0027	0.009			2007-04-20 16.23
JT4M0 MS	0.0352	0.038			2007-04-20 16.23
JT4M0 MSD	0.0358	0.038			2007-04-20 16.23
JT4M2	-0.0004	0.006			2007-04-20 16.23
CCV-CN	0.1016	0.097			2007-04-20 16.23
CCB-CN	0.0013	0.007			2007-04-20 16.23
JT4M4	-0.0003	0.006			2007-04-20 16.23
JT4M8	-0.0007	0.006			2007-04-20 16.23
JT4NC	0.0023	0.008			2007-04-20 16.23
JT4NE	0.0000	0.006			2007-04-20 16.23
JT4NG	0.0002	0.007			2007-04-20 16.26
JTN4J	0.0009	0.007			2007-04-20 16.26
CCV-CN	0.1084	0.103			2007-04-20 16.26
CCB-CN	0.0017	0.008			2007-04-20 16.26
JT4NT	0.0009	0.007			2007-04-20 16.26
LCS TV=29.75 MG/	28.0207	0.056	1+9.0	1+49.0	2007-04-20 16.28
CCV-CN	0.1096	0.104			2007-04-20 16.29
CCB-CN	0.0013	0.008			2007-04-20 16.29
JT9HM	0.0294	0.007		1+49.0	2007-04-20 16.31
JT9H MS	1.9331	0.041		1+49.0	2007-04-20 16.31
JT9HM MSD	2.9956	0.060		1+49.0	2007-04-20 16.32
LCS TV=.681 MG/L	0.6809	0.067	1+9.0		2007-04-20 16.34
BLANK WATER TOT	0.0069	0.012			2007-04-20 16.39
CCV-CN	0.1071	0.102			2007-04-20 16.41
CCB-CN	0.0014	0.008			2007-04-20 16.41
CCV-CN	0.1076	0.102			2007-04-20 16.52
CCB-CN	0.0014	0.008			2007-04-20 16.52
CCV-CN	0.1082	0.103			2007-04-20 17.09
CCB-CN	0.0018	0.008			2007-04-20 17.09
JT5CV	137.4151	0.129	1+19.0	1+49.0	2007-04-20 17.09
CCV-CN	0.1082	0.103			2007-04-20 17.10
CCB-CN	0.0016	0.008			2007-04-20 17.10

STL North Canton

Severn Trent
Sacramento Laboratory

NITROCELLULOSE

(SOP # SAC-WC-0050, Rev.0)

ANALYST HERNANDEZL
CHECKED BY BFV
BATCH NO. 7115222

DATE 04/26/07 16:20
DATE 4/27/07

METHOD NO. 353.2
PROJECT NO. A7D170102, A7D100107, G7D170298

FILE 042607A

	Lab ID	Time	Standard Conc. mg/L	Cup #	Sample Aliquot gram	Sample Aliquot mL	Extract Volume mL	Dilution	Height	$NO_3 + NO_2$ Raw Result	Nitrocellulose			
											Slope = 1.5950E+05			
											Intercept = 8.3840E+02			
											Correlation = 0.999995			
											%Nitrocellulose Assay = 0.111			
1	Cal 0	14:49	0	0					160.9568	-0.004247				
2	Cal 1	14:51	0.05	102					9125.011	0.051953				
3	Cal 2	14:53	0.2	103					33088.22	0.202189				
4	Cal 3	14:55	0.4	104					64636.54	0.399980				
5	Cal 4	14:57	1	105					160466.2	1.000780				
6	Cal 5	14:59	2	106					319741.1	1.999347				
7	Blank	15:01		0				1	118.728	-0.004512				
8	N02/N03 ICV	15:03	1	107				1	158807.1	0.990378			99.0%	
9	MRL 0.05PPM	15:05	0.05	102				1	9215.056	0.052517			105.0%	
10	NO2 1PPM	15:07	1	108				1	159194.9	0.992809			99.3%	
11	NO3 1PPM	15:09	1	109				1	157631.7	0.983009			98.3%	
12	blank	15:11		0				1	6.918204	-0.005213				
13	Baseline	15:13		0				1	0	-0.005256				
14	MB 7115222	15:15		113		100	40	1	3576.675	0.017167	0.062			< RL
15	LCS 7115222	15:17	2.012	114		100	40	1	81179.05	0.503692	1.82		90.5%	
16	A7D100107-4	15:19		115		100	40	1	6123.869	0.033137	0.12			< RL
17	A7D100107-6	15:21		116		100	40	1	4371.399	0.022150	0.08			< RL
18	A7D100107-7	15:23		117		100	40	1	4164.027	0.020850	0.075			< RL
19	A7D100107-8	15:25		118		100	40	1	4321.914	0.021840	0.079			< RL
20	A7D100107-9	15:27		119		100	40	1	4714.073	0.024298	0.088			< RL
21	MRL 0.05PPM	15:29	0.05	102				1	9084.014	0.051695			103.4%	
22	CCV Cal 4	15:31	1	105				1	158139	0.986189			98.6%	
23	Blank	15:33		0				1	97.91862	-0.004642				
24	Baseline	15:35		0				1	0	-0.005256				
25	A7D170102-1	15:37		120		100	40	1	3682.703	0.017832	0.064			< RL
26	A7D170102-3	15:39		121		100	40	1	3945.308	0.019479	0.07			< RL
27	A7D170102-5	15:41		122		100	40	1	4628.42	0.023761	0.086			< RL
28	A7D170102-7	15:43		123		100	40	1	2576.623	0.010898	0.039			< RL
29	A7D170102-9	15:45		124		100	40	1	2716.025	0.011772	0.042			< RL
30	A7D170102-11	15:47		125		100	40	1	3396.834	0.016040	0.058			< RL
31	A7D170102-11	15:49	2.012	126		100	40	1	96580.22	0.600249	2.16	104%	~~107.4%~~	
32	A7D170102-11	15:51	2.012	127		100	40	1	73540.24	0.455801	1.64	79%	~~84.5%~~	< RL
33	A7D170102-13	15:53		128		100	40	1	6430.122	0.035057	0.13			
34	MRL 0.05PPM	15:55	0.05	102				1	8724.101	0.049439			#VALUE!	99%

JTLEQ JTLEV JTLEW JTLEX JTLEO

JT112 JT117 JT119 JT12C JT12E JT12G JT12K

Nitrocellulose = (NO3 + NO2) * Prep Factor / 0.111

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Revised 11-30-00

STL North Canton

Severn Trent
Sacramento Laboratory

NITROCELLULOSE

(SOP # SAC-WC-0050, Rev.0)

ANALYST H ERNANDEZL
CHECKED BY
BATCH NO. 7115222

DATE 04/26/07 16:20
DATE 4/27/07

METHOD NO. 353.2
PROJECT NO. A7D170102, A7D100107, G7D170298

FILE 042607A

	Lab ID	Time	Standard Conc. mg/L	Cup #	Sample Aliquot gram	Sample Aliquot mL	Extract Volume mL	Dilution	Height	$NO_3 + NO_2$ Raw Result	Nitrocellulose 99%			
35	CCV Cal 4	15:57	1	105				1	158404.8	0.987856			~~#VALUE!~~	4/26/07
36	Blank	15:59		0				1	-79.9481	-0.005758				
37	Baseline	16:01		0				1	0	-0.005256				
38	A7D170102-15	16:03		129		100	40	1	2157.112	0.008268	0.03			< RL
39	G7D170298-9	16:05		130		100	40	1	2764.379	0.012075	0.044			< RL
40	MRL 0.05PPM	16:07	0.05	102				1	8669.34	0.049096			98.2%	
41	CCV Cal 4	16:09	1	105				1	156685.3	0.977075			97.7%	
42	Blank	16:11		0				1	15.50651	-0.005159				
43	Baseline	16:13		0				1	0	-0.005256				

8712M
4/27

Nitrocellulose = (NO3 + NO2) * Prep Factor / 0.111

4/27/07

Revised 11-30-00

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8330 EXPLOSIVES DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

HPLC

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AF **Matrix.....:** WG
Date Sampled...: 04/16/07 15:20 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7112036
Dilution Factor: 0.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.098	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.098	ug/L
1,3-Dinitrobenzene	ND	0.098	ug/L
2,4-Dinitrotoluene	ND	0.098	ug/L
2,6-Dinitrotoluene	ND	0.098	ug/L
HMX	ND	0.098	ug/L
Nitrobenzene	ND	0.098	ug/L
2-Nitrotoluene	ND	0.49	ug/L
3-Nitrotoluene	ND	0.49	ug/L
4-Nitrotoluene	ND	0.49	ug/L
RDX	ND	0.098	ug/L
Tetryl	ND	0.098	ug/L
1,3,5-Trinitrobenzene	ND	0.098	ug/L
2,4,6-Trinitrotoluene	ND	0.098	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

HPLC

Lot-Sample #...: A7D170102-003 **Work Order #...:** JT1171AF **Matrix.....:** WG
Date Sampled...: 04/16/07 16:00 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 4.98 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	**11**	**0.50**	**ug/L**
4-Amino-2,6-dinitrotoluene	**25**	**0.50**	**ug/L**
1,3-Dinitrobenzene	ND	0.50	ug/L
2,4-Dinitrotoluene	ND	0.50	ug/L
2,6-Dinitrotoluene	ND	0.50	ug/L
HMX	**1.2**	**0.50**	**ug/L**
Nitrobenzene	ND	0.50	ug/L
2-Nitrotoluene	ND	2.5	ug/L
3-Nitrotoluene	ND	2.5	ug/L
4-Nitrotoluene	ND	2.5	ug/L
RDX	**4.8**	**0.50**	**ug/L**
Tetryl	ND	0.50	ug/L
1,3,5-Trinitrobenzene	**26**	**0.50**	**ug/L**
2,4,6-Trinitrotoluene	**60**	**0.50**	**ug/L**
PETN	ND	3.2	ug/L
Nitroglycerin	ND	3.2	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	0.0 *	(79 - 116)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

HPLC

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT1191AF **Matrix.....:** WG
Date Sampled...: 04/16/07 16:05 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	**0.42 J**	**0.65**	**ug/L**
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	101	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

HPLC

Lot-Sample #...: A7D170102-007 **Work Order #...:** JT12C1AF **Matrix.....:** WG
Date Sampled...: 04/16/07 14:20 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 0.96 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	**1.4**	**0.096**	**ug/L**
4-Amino-2,6-dinitrotoluene	**3.1**	**0.096**	**ug/L**
1,3-Dinitrobenzene	ND	0.096	ug/L
2,4-Dinitrotoluene	ND	0.096	ug/L
2,6-Dinitrotoluene	**0.061 J**	**0.096**	**ug/L**
HMX	**0.59**	**0.096**	**ug/L**
Nitrobenzene	ND	0.096	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	**2.3**	**0.096**	**ug/L**
Tetryl	ND	0.096	ug/L
1,3,5-Trinitrobenzene	**0.17**	**0.096**	**ug/L**
2,4,6-Trinitrotoluene	**0.13**	**0.096**	**ug/L**
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	105	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

HPLC

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AF **Matrix.....:** WG
Date Sampled...: 04/16/07 12:25 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	**0.11 J**	**0.52**	**ug/L**
3-Nitrotoluene	ND	0.52	ug/L
4-Nitrotoluene	ND	0.52	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	**0.92**	**0.65**	**ug/L**
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

HPLC

Lot-Sample #...: A7D170102-011 **Work Order #...:** JT12G1AP **Matrix.....:** WG
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 1.01 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	**0.089 J**	**0.50**	**ug/L**
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
Nitroglycerin	ND	0.66	ug/L
PETN	ND	0.66	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

HPLC

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AF **Matrix.....:** WG
Date Sampled...: 04/16/07 11:15 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 0.99 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.099	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.099	ug/L
1,3-Dinitrobenzene	ND	0.099	ug/L
2,4-Dinitrotoluene	ND	0.099	ug/L
2,6-Dinitrotoluene	**0.27**	**0.099**	**ug/L**
HMX	ND	0.099	ug/L
Nitrobenzene	ND	0.099	ug/L
2-Nitrotoluene	ND	0.50	ug/L
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.099	ug/L
Tetryl	ND	0.099	ug/L
1,3,5-Trinitrobenzene	ND	0.099	ug/L
2,4,6-Trinitrotoluene	ND	0.099	ug/L
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	109	(79 - 116)

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

HPLC

Lot-Sample #...: A7D170102-015 **Work Order #...:** JT12M1AF **Matrix.....:** WG
Date Sampled...: 04/16/07 12:10 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 1 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L
1,3-Dinitrobenzene	ND	0.10	ug/L
2,4-Dinitrotoluene	ND	0.10	ug/L
2,6-Dinitrotoluene	ND	0.10	ug/L
HMX	ND	0.10	ug/L
Nitrobenzene	ND	0.10	ug/L
2-Nitrotoluene	**0.11 J**	**0.50**	**ug/L**
3-Nitrotoluene	ND	0.50	ug/L
4-Nitrotoluene	ND	0.50	ug/L
RDX	ND	0.10	ug/L
Tetryl	ND	0.10	ug/L
1,3,5-Trinitrobenzene	ND	0.10	ug/L
2,4,6-Trinitrotoluene	ND	0.10	ug/L
PETN	**0.88**	**0.65**	**ug/L**
Nitroglycerin	ND	0.65	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

STL Sacramento
GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Curve: 0324 2007.B

Inst ID : LC10.I
Batch ID : 04242007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
24-APR-2007	17:43	GallD	CCV_5 PRIMER	A-000001.	0 g	0 mL	1	
24-APR-2007	18:36	GallD	CCV_5 PRIMER	A-000002.	0 g	0 mL	1	
24-APR-2007	19:29	GallD	Blank	A-000003.	1000 mL	20 mL	1	
24-APR-2007	20:22	GallD	CCV_5 E070209B 100/200/100/100	A-000004.	0 g	0 mL	1	
24-APR-2007	21:15	GallD	CCV_1 E070314B 5/0/0/0ng/mL	A-000005.	0 g	0 mL	1	
24-APR-2007	22:08	GallD	JVFVK1AAB 7112036 G7D220000-MB	A-000006.	1000 mL	20 mL	1	
24-APR-2007	23:01	GallD	JVFVK1ACC 7112036 G7D220000-LC	A-000007.	1000 mL	20 mL	1	
24-APR-2007	23:54	GallD	JT1121AF 7112036 A7D170102-1	A-000008.	1016 mL	20 mL	1	
25-APR-2007	00:47	GallD	JT1171AF 7112036 A7D170102-3	A-000009.	1003 mL	20 mL	1	
25-APR-2007	01:40	GallD	JT1191AF 7112036 A7D170102-5	A-000010.	999 mL	20 mL	1	
25-APR-2007	02:33	GallD	JT12C1AF 7112036 A7D170102-7	A-000011.	1036 mL	20 mL	1	
25-APR-2007	03:26	GallD	CCV_6 E070307A 200/500/200/200	A-000012.	0 g	0 mL	1	
25-APR-2007	04:19	GallD	CCV_1 E070314B 5/0/0/0ng/mL	A-000013.	0 g	0 mL	1	
25-APR-2007	05:12	GallD	JT12E1AF 7112036 A7D170102-9	A-000014.	947 mL	20 mL	1	
25-APR-2007	06:05	GallD	JT12G1AP 7112036 A7D170102-11	A-000015.	989 mL	20 mL	1	
25-APR-2007	06:58	GallD	JT12G1AQS 7112036 A7D170102-11	A-000016.	1038 mL	20 mL	1	
25-APR-2007	07:51	GallD	JT12G1ARD 7112036 A7D170102-11	A-000017.	1030 mL	20 mL	1	
25-APR-2007	08:44	GallD	JT12K1AF 7112036 A7D170102-13	A-000018.	1003 mL	20 mL	1	
25-APR-2007	09:37	GallD	JT12M1AF 7112036 A7D170102-15	A-000019.	987 mL	20 mL	1	
25-APR-2007	10:30	GallD	CCV_5 E070209B 100/200/100/100	A-000020.	0 g	0 mL	1	
25-APR-2007	11:23	GallD	CCV_1 E070314B 5/0/0/0ng/mL	A-000021.	0 g	0 mL	1	

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GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Curve: 03242007.B

Inst ID : LC10.I
Batch ID : 04252007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
25-APR-2007	18:51	KenneyF	CCV_5 PRIMER	A-000001.	0 g	0 mL	1	
25-APR-2007	19:44	KenneyF	CCV_5 PRIMER	A-000002.	0 g	0 mL	1	
25-APR-2007	20:37	KenneyF	Blank	A-000003.	1000 mL	20 mL	1	
25-APR-2007	21:30	KenneyF	CCV_5 E070209A 100/200/100/100	A-000004.	0 g	0 mL	1	
25-APR-2007	22:23	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000005.	0 g	0 mL	1	
25-APR-2007	23:16	KenneyF	JT1171AF 7112036 A7D170102-3 5	A-000006.	1003 mL	20 mL	5	
26-APR-2007	00:09	KenneyF	CCV_6 E070307A 200/500/200/200	A-000007.	0 g	0 mL	1	
26-APR-2007	01:02	KenneyF	CCV_1 E070314B 5/0/0/0ng/mL	A-000008.	0 g	0 mL	1	

STL Sacramento
GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Curve: 04232007.B

Inst ID : LC9.I
Batch ID : 04252007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
25-APR-2007	18:37	KenneyF	CCV_5 Primer	C-000001.	0 g	0 mL	1	
25-APR-2007	19:40	KenneyF	CCV_5 Primer	C-000002.	0 g	0 mL	1	
25-APR-2007	20:43	KenneyF	Blank	C-000003.	0 g	0 mL	1	
25-APR-2007	21:46	KenneyF	STD_5 E070209A 100/200/100/100	C-000004.	0 g	0 mL	1	
25-APR-2007	22:49	KenneyF	STD_1 E070314B 5/0/0/0	C-000005.	0 g	0 mL	1	
25-APR-2007	23:52	KenneyF	JVFVK1AAB 7112036 G7D220000-MB	C-000006.	1000 mL	20 mL	1	
26-APR-2007	00:55	KenneyF	JT1171AF 7112036 A7D170102-3 5	C-000007.	1003 mL	20 mL	5	
26-APR-2007	01:58	KenneyF	JT1191AF 7112036 A7D170102-5	C-000008.	999 mL	20 mL	1	
26-APR-2007	03:01	KenneyF	JT12C1AF 7112036 A7D170102-7	C-000009.	1036 mL	20 mL	1	
26-APR-2007	04:04	KenneyF	JT12K1AF 7112036 A7D170102-13	C-000010.	1003 mL	20 mL	1	
26-APR-2007	05:08	KenneyF	STD_6 E070307A 200/500/200/200	C-000011.	0 g	0 mL	1	
26-APR-2007	06:11	KenneyF	STD_1 E070314B 5/0/0/0	C-000012.	0 g	0 mL	1	

Confirmation for all hits except Nitroglycerine + PETN

STL Sacramento
GC/LC INSTRUMENT LOG

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GC/LC SEMI-VOLATILES

Standard ID's

Curve: 05292007-B

Inst ID : LC9.I
Batch ID : 05292007.B
Ical Date: See Calibration Report
Methods : Method 8330
Test : SOP SAC-LC-0009

Date	Time	Operator	Sample ID	File ID	Vol or Wt	Extract Vol	Diln	Comments
29-MAY-2007	15:21	KenneyF	CCV_6 Primer	C-000001.	0 g	0 mL	1	
29-MAY-2007	16:24	KenneyF	CCV_6 Primer	C-000002.	0 g	0 mL	1	
29-MAY-2007	17:27	KenneyF	STD_5 E070314F 100/200/100/100	C-000003.	0 g	0 mL	1	
29-MAY-2007	18:30	KenneyF	STD_1 E070314B 5/0/0/0	C-000004.	0 g	0 mL	1	
29-MAY-2007	19:33	KenneyF	STD_3 E070314D 20/50/20/20	C-000005.	0 g	0 mL	1	
29-MAY-2007	20:36	KenneyF	JVFVK1AAB 7112036 G7D220000-M	C-000006.	1000 mL	20 mL	1	
29-MAY-2007	21:39	KenneyF	JT12E1AF 7112036 A7D170102-9	C-000007.	947 mL	20 mL	1	
29-MAY-2007	22:42	KenneyF	JT12K1AF 7112036 A7D170102-13	C-000008.	1003 mL	20 mL	1	
29-MAY-2007	23:45	KenneyF	JT12M1AF 7112036 A7D170102-15	C-000009.	987 mL	20 mL	1	
30-MAY-2007	00:47	KenneyF	STD_6 E070314I 200/500/200/100	C-000010.	0 g	0 mL	1	
30-MAY-2007	01:50	KenneyF	STD_1 E070314B 5/0/0/0	C-000011.	0 g	0 mL	1	
30-MAY-2007	02:53	KenneyF	STD_3 E070314D 20/50/20/20	C-000012.	0 g	0 mL	1	
30-MAY-2007	03:56	KenneyF	JXHC51AAB 7143143 G7E230000-M	C-000013.	1000 mL	20 mL	1	
30-MAY-2007	04:59	KenneyF	JW66W1CK 7143143 G7E170329-1	C-000014.	1040 mL	20 mL	1	
30-MAY-2007	06:02	KenneyF	JXG4P1AA 7143554 G7E220346-1	C-000015.	1012 mL	20 mL	1	
30-MAY-2007	07:05	KenneyF	JXG4Q1AA 7143554 G7E220346-2	C-000016.	1004 mL	20 mL	1	
30-MAY-2007	08:08	KenneyF	STD_5 E070314F 100/200/100/100	C-000017.	0 g	0 mL	1	

Confirmation of PETN results
6/21/07

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

HPLC

Lot-Sample #...: A7D180106-015 **Work Order #...:** JT4M61AF **Matrix.....:** WQ
Date Sampled...: 04/16/07 18:50 **Date Received..:** 04/18/07
Prep Date.....: 04/23/07 **Analysis Date..:** 04/28/07
Prep Batch #...: 7113470
Dilution Factor: 0.97 **Method.....:** SW846 8330

PARAMETER	RESULT	REPORTING LIMIT	UNITS
PETN	ND	0.65	ug/L
Nitroglycerin	ND	0.65	ug/L
2-Amino-4,6-dinitrotoluene	ND	0.097	ug/L
4-Amino-2,6-dinitrotoluene	ND	0.097	ug/L
1,3-Dinitrobenzene	ND	0.097	ug/L
2,4-Dinitrotoluene	ND	0.097	ug/L
2,6-Dinitrotoluene	ND	0.097	ug/L
HMX	ND	0.097	ug/L
Nitrobenzene	ND	0.097	ug/L
2-Nitrotoluene	ND	0.48	ug/L
3-Nitrotoluene	ND	0.48	ug/L
4-Nitrotoluene	ND	0.48	ug/L
RDX	ND	0.097	ug/L
Tetryl	ND	0.097	ug/L
1,3,5-Trinitrobenzene	ND	0.097	ug/L
2,4,6-Trinitrotoluene	ND	0.097	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JVFVK1AA **Matrix.....:** WATER
MB Lot-Sample #: G7D220000-036

Prep Date.....: 04/22/07
Analysis Date..: 04/24/07 **Prep Batch #...:** 7112036
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
4-Amino-2,6-dinitrotoluene	ND	0.10	ug/L	SW846 8330
1,3-Dinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
2,6-Dinitrotoluene	ND	0.10	ug/L	SW846 8330
HMX	ND	0.10	ug/L	SW846 8330
Nitrobenzene	ND	0.10	ug/L	SW846 8330
2-Nitrotoluene	ND	0.50	ug/L	SW846 8330
3-Nitrotoluene	ND	0.50	ug/L	SW846 8330
4-Nitrotoluene	ND	0.50	ug/L	SW846 8330
RDX	ND	0.10	ug/L	SW846 8330
Tetryl	ND	0.10	ug/L	SW846 8330
1,3,5-Trinitrobenzene	ND	0.10	ug/L	SW846 8330
2,4,6-Trinitrotoluene	ND	0.10	ug/L	SW846 8330
Nitroglycerin	ND	0.65	ug/L	SW846 8330
PETN	ND	0.65	ug/L	SW846 8330

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	96	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JVFVK1AC **Matrix.....:** WATER
LCS Lot-Sample#: G7D220000-036
Prep Date.....: 04/22/07 **Analysis Date..:** 04/24/07
Prep Batch #...: 7112036
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	**104**	**(85 - 117)**	**SW846 8330**
4-Amino-2,6-dinitrotoluene	**100**	**(84 - 116)**	**SW846 8330**
1,3-Dinitrobenzene	**106**	**(89 - 119)**	**SW846 8330**
2,4-Dinitrotoluene	**104**	**(85 - 122)**	**SW846 8330**
2,6-Dinitrotoluene	**104**	**(86 - 116)**	**SW846 8330**
HMX	**102**	**(83 - 119)**	**SW846 8330**
Nitrobenzene	**106**	**(88 - 119)**	**SW846 8330**
2-Nitrotoluene	**105**	**(84 - 114)**	**SW846 8330**
3-Nitrotoluene	**99**	**(85 - 116)**	**SW846 8330**
4-Nitrotoluene	**100**	**(85 - 115)**	**SW846 8330**
RDX	**111**	**(87 - 121)**	**SW846 8330**
Tetryl	**95**	**(79 - 113)**	**SW846 8330**
1,3,5-Trinitrobenzene	**106**	**(83 - 114)**	**SW846 8330**
2,4,6-Trinitrotoluene	**102**	**(81 - 120)**	**SW846 8330**
Nitroglycerin	**104**	**(84 - 118)**	**SW846 8330**
PETN	**105**	**(75 - 118)**	**SW846 8330**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	99	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AQ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AR-MSD
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/22/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7112036
Dilution Factor: 0.96

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	97	(85 - 117)			SW846 8330
	102	(85 - 117)	6.4	(0-25)	SW846 8330
4-Amino-2,6-dinitrotoluene	93	(84 - 116)			SW846 8330
	98	(84 - 116)	6.3	(0-24)	SW846 8330
1,3-Dinitrobenzene	99	(89 - 119)			SW846 8330
	105	(89 - 119)	6.2	(0-24)	SW846 8330
2,4-Dinitrotoluene	98	(85 - 122)			SW846 8330
	103	(85 - 122)	5.6	(0-24)	SW846 8330
2,6-Dinitrotoluene	99	(86 - 116)			SW846 8330
	104	(86 - 116)	5.0	(0-24)	SW846 8330
HMX	91	(83 - 119)			SW846 8330
	96	(83 - 119)	6.6	(0-24)	SW846 8330
Nitrobenzene	96	(88 - 119)			SW846 8330
	99	(88 - 119)	4.3	(0-25)	SW846 8330
2-Nitrotoluene	91	(84 - 114)			SW846 8330
	96	(84 - 114)	6.1	(0-24)	SW846 8330
3-Nitrotoluene	93	(85 - 116)			SW846 8330
	96	(85 - 116)	3.3	(0-24)	SW846 8330
4-Nitrotoluene	94	(85 - 115)			SW846 8330
	97	(85 - 115)	4.6	(0-24)	SW846 8330
RDX	100	(87 - 121)			SW846 8330
	110	(87 - 121)	9.9	(0-23)	SW846 8330
Tetryl	86	(79 - 113)			SW846 8330
	92	(79 - 113)	7.3	(0-25)	SW846 8330
1,3,5-Trinitrobenzene	98	(83 - 114)			SW846 8330
	104	(83 - 114)	6.3	(0-24)	SW846 8330
2,4,6-Trinitrotoluene	95	(81 - 120)			SW846 8330
	101	(81 - 120)	6.3	(0-26)	SW846 8330
Nitroglycerin	97	(84 - 118)			SW846 8330
	100	(84 - 118)	3.7	(0-18)	SW846 8330
PETN	103	(75 - 118)			SW846 8330
	101	(75 - 118)	0.91	(0-15)	SW846 8330

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JT12G1AQ-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1AR-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
3,4-Dinitrotoluene	94	(79 - 116)
	96	(79 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Surrogate Recovery Outlier Report

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Dilution	Matrix	Surrogate	Percent Recovery	Criteria (percent) Lower Limit	Upper Limit	Reject Point	Associated Target Analytes
FWGLL1mw-078C-0419-GW	A7D170102005	8081A	1	AQ	Decachlorobiphenyl	26	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	39	50.0	150.0	10.0	All Target
FWGLL3mw-238C-0425-GW	A7D170102003	8081A	50	AQ	Tetrachloro-m-xylene	0.0	50.0	150.0	10.0	All Target
		8330	4.98		3,4-Dinitrotoluene	0.0	50.0	150.0	10.0	All Target
FWGRQLmw-007C-0441-GW	A7D170102011	8081A	2	AQ	Decachlorobiphenyl	13	50.0	150.0	10.0	All Target
		8082	1		Decachlorobiphenyl	13	50.0	150.0	10.0	All Target
FWGRQLmw-007C-0441-GWMS	A7D170102011S	8081A	5	AQ	Decachlorobiphenyl	39	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	37	50.0	150.0	10.0	All Target
FWGRQLmw-007C-0441-GWMSD	A7D170102011D	8081A	5	AQ	Decachlorobiphenyl	29	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	34	50.0	150.0	10.0	All Target
FWGRQLmw-008C-0442-GW	A7D170102013	8081A	5	AQ	Decachlorobiphenyl	19	50.0	150.0	10.0	All Target
					Tetrachloro-m-xylene	47	50.0	150.0	10.0	All Target
		8082	1		Decachlorobiphenyl	12	50.0	150.0	10.0	All Target
FWGRQLmw-009C-0443-GW	A7D170102015	8081A	1	AQ	Decachlorobiphenyl	27	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	44	50.0	150.0	10.0	All Target
FWGRQLmw-DUP1-0447-GW	A7D170102009	8081A	1	AQ	Decachlorobiphenyl	27	50.0	150.0	10.0	All Target
		8082			Decachlorobiphenyl	36	50.0	150.0	10.0	All Target

8330MOD NITROGUANIDINE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL4mw-199C-0428-GW

Dissolved HPLC

Lot-Sample #...: A7D170102-001 **Work Order #...:** JT1121AJ **Matrix.....:** WG
Date Sampled...: 04/16/07 15:20 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL3mw-238C-0425-GW

Dissolved HPLC

Lot-Sample #...:	A7D170102-003	**Work Order #...:**	JT1171AJ	**Matrix.....:**	WG
Date Sampled...:	04/16/07 16:00	**Date Received..:**	04/17/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/25/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-078C-0419-GW

Dissolved HPLC

Lot-Sample #...: A7D170102-005 **Work Order #...:** JT1191AJ **Matrix.....:** WG
Date Sampled...: 04/16/07 16:05 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGLL1mw-080C-0420-GW

Dissolved HPLC

Lot-Sample #...:	A7D170102-007	**Work Order #...:**	JT12C1AJ	**Matrix.....:**	WG
Date Sampled...:	04/16/07 14:20	**Date Received..:**	04/17/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/25/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-DUP1-0447-GW

Dissolved HPLC

Lot-Sample #...: A7D170102-009 **Work Order #...:** JT12E1AJ **Matrix.....:** WG
Date Sampled...: 04/16/07 12:25 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-007C-0441-GW

Dissolved HPLC

Lot-Sample #...:	A7D170102-011	**Work Order #...:**	JT12G1A1	**Matrix.....:**	WG
Date Sampled...:	04/16/07 11:35	**Date Received..:**	04/17/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/25/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-008C-0442-GW

Dissolved HPLC

Lot-Sample #...: A7D170102-013 **Work Order #...:** JT12K1AJ **Matrix.....:** WG
Date Sampled...: 04/16/07 11:15 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1 **Method.....:** SW846 8330 (Modif

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

Environmental Quality Mgt., Inc.

Client Sample ID: FWGRQLmw-009C-0443-GW

Dissolved HPLC

Lot-Sample #...:	A7D170102-015	**Work Order #...:**	JT12M1AJ	**Matrix.....:**	WG
Date Sampled...:	04/16/07 12:10	**Date Received..:**	04/17/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/25/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

****

Varian Star Workstation - RecalcList Thu Apr 26 14:38:39 2007

RecalcList: C:\Star\Sample list\NQ-04.25.2007.RCL

Created: Wed Apr 25 14:19:56 2007
Modified: Thu Apr 26 14:28:57 2007

PDA-1 NB Analysis 25 April 2007

****

SAC-CC-0010

Line	Sample Type	Sample Name	Data F
1	Verification	Primer	nq-4-25-2007=14;32;41-primer.
2	Verification	Primer	nq-4-25-2007=14;53;20-primer.
3	Verification	Primer	nq-4-25-2007=15;13;59-primer.
4	Verification	Primer	nq-4-25-2007=15;34;38-primer.
5	Verification	Primer	nq-4-25-2007=15;55;18-primer.
6	Verification	Primer	nq-4-25-2007=16;16;01-primer.
7	Analysis	Water blank	nq-4-25-2007=16;36;43-water blank.
8	Verification	E061101E L4 CCV	nq-4-25-2007=16;57;25-e061101e l4 ccv.
9	Verification	E061101B L1 CCV	nq-4-25-2007=17;18;06-e061101b l1 ccv.
10	Analysis	G7D170000-371-LCS	nq-4-25-2007=17;38;47-g7d170000-371-lcs.
11	Verification	E061101F L5 CCV	nq-4-25-2007=17;59;27-e061101f l5 ccv.
12	Verification	E061101B L1 CCV	nq-4-25-2007=18;20;08-e061101b l1 ccv.
13	Analysis	G7D240000-194-MB	nq-4-25-2007=18;40;51-g7d240000-194-mb.
14	Analysis	G7D240000-194-LCS	nq-4-25-2007=19;01;31-g7d240000-194-lcs.
15	Analysis	A7D170102-1	nq-4-25-2007=19;22;11-a7d170102-1.
16	Analysis	A7D170102-3	nq-4-25-2007=19;42;51-a7d170102-3.
17	Analysis	A7D170102-5	nq-4-25-2007=20;03;30-a7d170102-5.
18	Analysis	A7D170102-7	nq-4-25-2007=20;24;09-a7d170102-7.
19	Analysis	A7D170102-9	nq-4-25-2007=20;44;48-a7d170102-9.
20	Analysis	A7D170102-11	nq-4-25-2007=21;05;27-a7d170102-11.
21	Analysis	A7D170102-11MS	nq-4-25-2007=21;26;06-a7d170102-11ms.
22	Analysis	A7D170102-11MSD	nq-4-25-2007=21;46;44-a7d170102-11msd.
23	Verification	E061101E L4 CCV	nq-4-25-2007=22;07;26-e061101e l4 ccv.
24	Verification	E061101B L1 CCV	nq-4-25-2007=22;28;07-e061101b l1 ccv.
25	Analysis	A7D170102-13	nq-4-25-2007=22;48;47-a7d170102-13.
26	Analysis	A7D170102-15	nq-4-25-2007=23;09;26-a7d170102-15.
27	Analysis	A7D180106-1	nq-4-25-2007=23;30;05-a7d180106-1.
28	Analysis	A7D180106-3	nq-4-25-2007=23;50;44-a7d180106-3.
29	Analysis	A7D180106-5	nq-4-26-2007=00;11;25-a7d180106-5.
30	Analysis	A7D180106-7	nq-4-26-2007=00;32;03-a7d180106-7.
31	Analysis	A7D180106-9	nq-4-26-2007=00;52;43-a7d180106-9.
32	Analysis	A7D180106-9MS	nq-4-26-2007=01;13;21-a7d180106-9ms.
33	Analysis	A7D180106-9MSD	nq-4-26-2007=01;34;01-a7d180106-9msd.
34	Analysis	A7D180106-11	nq-4-26-2007=01;54;40-a7d180106-11.
35	Verification	E061101E L4 CCV	nq-4-26-2007=02;15;24-e061101e l4 ccv.
36	Verification	E061101B L1 CCV	nq-4-26-2007=02;36;04-e061101b l1 ccv.
37	Analysis	A7D180106-13	nq-4-26-2007=02;56;44-a7d180106-13.
38	Analysis	A7D180106-15	nq-4-26-2007=03;17;23-a7d180106-15.
39	Analysis	A7D180106-17	nq-4-26-2007=03;38;03-a7d180106-17.
40	Analysis	A7D180106-19	nq-4-26-2007=03;58;42-a7d180106-19.
41	Analysis	G7D240000-234-MB	nq-4-26-2007=04;19;22-g7d240000-234-mb.
42	Analysis	G7D240000-234-LCS	nq-4-26-2007=04;40;02-g7d240000-234-lcs.
43	Analysis	A7D180106-21	nq-4-26-2007=05;00;42-a7d180106-21
44	Analysis	A7D180106-23	nq-4-26-2007=05;21;22-a7d180106-23
45	Analysis	A7D180106-25	nq-4-26-2007=05;42;00-a7d180106-25
46	Analysis	A7D180106-27	nq-4-26-2007=06;02;40-a7d180106-27
47	Verification	E061101E L4 CCV	nq-4-26-2007=06;23;22-e061101e l4 ccv
48	Verification	E061101B L1 CCV	nq-4-26-2007=06;44;04-e061101b l1 ccv
49	Analysis	A7D190102-1	nq-4-26-2007=07;04;45-a7d190102-1
50	Analysis	A7D190102-3	nq-4-26-2007=07;25;24-a7d190102-3
51	Analysis	A7D190102-5	nq-4-26-2007=07;46;04-a7d190102-5
52	Analysis	A7D190102-7	nq-4-26-2007=08;06;43-a7d190102-7
53	Analysis	A7D190102-9	nq-4-26-2007=08;27;22-a7d190102-9
54	Analysis	A7D190102-11	nq-4-26-2007=08;48;01-a7d190102-11
55	Analysis	A7D190102-13	nq-4-26-2007=09;08;41-a7d190102-13
56	Analysis	A7D190102-15	nq-4-26-2007=09;29;19-a7d190102-15
57	Analysis	A7D190102-17	nq-4-26-2007=09;50;00-a7d190102-17
58	Analysis	A7D190102-21	nq-4-26-2007=10;10;39-a7d190102-21
59	Verification	E061101E L4 CCV	nq-4-26-2007=10;31;20-e061101e l4 ccv
60	Verification	E061101B L1 CCV	nq-4-26-2007=10;52;00-e061101b l1 ccv
61	Analysis	A7D190102-19	nq-4-26-2007=11;12;42-a7d190102-19
62	Analysis	A7D190102-19MS	nq-4-26-2007=11;33;22-a7d190102-19ms
63	Analysis	A7D190102-19MSD	nq-4-26-2007=11;54;01-a7d190102-19msd
64	Analysis	A7D190102-23	nq-4-26-2007=12;14;42-a7d190102-23
65	Analysis	A7D190102-25	nq-4-26-2007=12;35;23-a7d190102-25
66	Analysis	A7D190102-27	nq-4-26-2007=12;56;03-a7d190102-27
67	Analysis	A7D190102-29	nq-4-26-2007=13;16;44-a7d190102-29
68	Analysis	A7D190237-4	nq-4-26-2007=13;37;24-a7d190237-4

Environmental Quality Mgt., Inc.

Client Sample ID: FWGEQUIPRinse1-0456-GW

Dissolved HPLC

Lot-Sample #...:	A7D180106-015	**Work Order #...:**	JT4M61AJ	**Matrix.....:**	WQ
Date Sampled...:	04/16/07 18:50	**Date Received..:**	04/18/07		
Prep Date.....:	04/24/07	**Analysis Date..:**	04/26/07		
Prep Batch #...:	7114194				
Dilution Factor:	1	**Method.....:**	SW846 8330 (Modif		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Nitroguanidine	ND	20	ug/L

METHOD BLANK REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JVH401AA **Matrix.....:** WATER
MB Lot-Sample #: G7D240000-194

Prep Date.....: 04/24/07
Analysis Date..: 04/25/07 **Prep Batch #...:** 7114194
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Nitroguanidine	ND	20	ug/L	SW846 8330 (Modif

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JVH401AC **Matrix.....:** WATER
LCS Lot-Sample#: G7D240000-194
Prep Date.....: 04/24/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Nitroguanidine	**94**	**(84 - 123)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JT4M01A2-MS **Matrix.....:** WATER
MS Lot-Sample #: A7D180106-009 JT4M01A3-MSD
Date Sampled...: 04/17/07 11:12 **Date Received..:** 04/18/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/26/07
Prep Batch #...: 7114194
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	**89**	**(84 - 123)**			**SW846 8330 (Modified**
	98	**(84 - 123)**	**10**	**(0-15)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: A7D170102 **Work Order #...:** JT12G1A2-MS **Matrix.....:** WG
MS Lot-Sample #: A7D170102-011 JT12G1A3-MSD
Date Sampled...: 04/16/07 11:35 **Date Received..:** 04/17/07
Prep Date.....: 04/24/07 **Analysis Date..:** 04/25/07
Prep Batch #...: 7114194
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Nitroguanidine	**94**	**(84 - 123)**			**SW846 8330 (Modified**
	98	**(84 - 123)**	**3.4**	**(0-15)**	**SW846 8330 (Modified**

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

Temperature Outlier Report

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Sample Temp (C)	Temperature Criteria (C)			Between High and Gross Exceedence			Above Gross Exceedence		
								Detect Quals		Non-Detect Qual(s)	Detect Quals		Non-Detect Qual(s)
					Low	High	Gross Exceed	Non-Biased	Biased		Non-Biased	Biased	
FWGLL3mw-238C-0425-G	A7D170102003	8081A	AQ	6.5	2	6	10	J	J-	UJ	J	J-	R
		8082	AQ	6.5	2	6	10	J	J-	UJ	J	J-	R
		8260B	AQ	6.5	2	6	10	J	J-	UJ	J	J-	R
FWGTEAM2-TRIP	A7D170102018	8260B	AQ	6.5	2	6	10	J	J-	UJ	J	J-	R
FWGLL3mw-238C-0425-G	A7D170102003	8270C	AQ	6.5	2	6	10	J	J-	UJ	J	J-	R
		8330	AQ	6.5	2	6	10	J	J-	UJ	J	J-	R
		W8330 Modifie	AQ	6.5	2	6	10	J	J-	UJ	J	J-	R

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGLL1mw-078C-0419-G	A7D170102006	6010B	AQ	Barium	B	7.0	10.0	ug/L
				Cobalt	B	1.7	5.0	ug/L
				Nickel	B	4.4	10.0	ug/L
		6020		Thallium	B	0.070	1.0	ug/L
				Zinc	B J	5.9	10.0	ug/L
FWGLL1mw-078C-0419-G	A7D170102005	8270C		bis(2-Ethylhexyl) phthalate	J B	2.4	10	ug/L
				Diethyl phthalate	J B	0.81	1.0	ug/L
		8330		Pentaerythritol Tetranitrate (PETN)	J	0.42	0.65	ug/L
FWGLL1mw-080C-0420-G	A7D170102008	6010B		Manganese	B J	3.5	10.0	ug/L
				Nickel	B	2.8	10.0	ug/L
		6020		Zinc	B J	6.5	10.0	ug/L
FWGLL1mw-080C-0420-G	A7D170102007	8270C		bis(2-Ethylhexyl) phthalate	J B	5.0	10	ug/L
				Diethyl phthalate	J B	0.83	1.0	ug/L
		8330		2,6-Dinitrotoluene	J	0.061	0.096	ug/L
FWGLL3mw-238C-0425-G	A7D170102004	6010B		Barium	B	5.1	10.0	ug/L
				Manganese	B J	1.8	10.0	ug/L
				Nickel	B	1.7	10.0	ug/L
		6020		Aluminum	B	15.5	50.0	ug/L
				Zinc	B J	5.5	10.0	ug/L
FWGLL3mw-238C-0425-G	A7D170102003	8270C		bis(2-Ethylhexyl) phthalate	J B	4.0	10	ug/L
				Diethyl phthalate	J B	0.80	1.0	ug/L
FWGLL4mw-199C-0428-G	A7D170102002	6020		Zinc	B J	6.7	10.0	ug/L
FWGRQLmw-007C-0441-	A7D170102012			Thallium	B	0.029	1.0	ug/L
FWGRQLmw-007C-0441-	A7D170102011	8270C		bis(2-Ethylhexyl) phthalate	J B	2.3	10	ug/L
				Diethyl phthalate	J B	0.86	1.0	ug/L
		8330		2-Nitrotoluene	J	0.089	0.50	ug/L
FWGRQLmw-008C-0442-	A7D170102014	6010B		Cobalt	B	2.8	5.0	ug/L
				Copper	B	1.9	5.0	ug/L
				Nickel	B	9.0	10.0	ug/L
		6020		Aluminum	B	29.4	50.0	ug/L
				Beryllium	B	0.30	1.0	ug/L
				Zinc	B J	9.3	10.0	ug/L
FWGRQLmw-008C-0442-	A7D170102013	353.2 Modified		Nitrocellulose	B	0.13	0.50	mg/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	1.9	10	ug/L
				Diethyl phthalate	J B	0.83	1.0	ug/L
FWGRQLmw-009C-0443-	A7D170102016	6010B		Nickel	B	5.5	10.0	ug/L

Reporting Limits Outlier Report (detected results reported below the reporting limit)

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	EDD Reporting Limit	Units
FWGRQLmw-009C-0443-	A7D170102016	6020	AQ	Thallium	B	0.079	1.0	ug/L
				Zinc	B J	7.7	10.0	ug/L
FWGRQLmw-009C-0443-	A7D170102015	8081A		beta-BHC	J	0.0083	0.030	ug/L
		8270C		bis(2-Ethylhexyl) phthalate	J B	1.6	10	ug/L
				Diethyl phthalate	J B	0.81	1.0	ug/L
		8330		2-Nitrotoluene	J	0.11	0.50	ug/L
FWGRQLmw-DUP1-0447-	A7D170102010	6010B		Nickel	B	6.4	10.0	ug/L
		6020		Thallium	B	0.097	1.0	ug/L
				Zinc	B J	7.5	10.0	ug/L
FWGRQLmw-DUP1-0447-	A7D170102009	8270C		bis(2-Ethylhexyl) phthalate	J B	2.4	10	ug/L
		8330		2-Nitrotoluene	J	0.11	0.52	ug/L
FWGTEAM1-TRIP	A7D170102017	8260B		Methylene chloride	J B	0.40	2.0	ug/L
FWGTEAM2-TRIP	A7D170102018			Methylene chloride	J B	0.46	2.0	ug/L
FWGTEAM3-TRIP	A7D170102019			Methylene chloride	J B	0.40	2.0	ug/L

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGLL1mw-078C-0419-G	A7D170102005	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGLL1mw-080C-0420-G	A7D170102007	8081A	AQ	Endosulfan I	U	0.25	0.22	ug/L
				Endosulfan II	U	0.25	0.22	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.48	0.19	ug/L
				3-Nitrotoluene	U	0.48	0.19	ug/L
				4-Nitrotoluene	U	0.48	0.19	ug/L
FWGLL3mw-238C-0425-G	A7D170102003	8081A	AQ	Endosulfan I	U	1.2	1.10	ug/L
				Endosulfan II	U	1.2	1.10	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2,4-Dinitrotoluene	U	0.50	0.50	ug/L
				2,6-Dinitrotoluene	U	0.50	0.50	ug/L
				2-Nitrotoluene	U	2.5	1.00	ug/L
				3-Nitrotoluene	U	2.5	1.00	ug/L
				4-Nitrotoluene	U	2.5	1.00	ug/L
FWGLL4mw-199C-0428-G	A7D170102001	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.49	0.20	ug/L
				3-Nitrotoluene	U	0.49	0.20	ug/L
				4-Nitrotoluene	U	0.49	0.20	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

QC Outlier Report: Non-Qualified Outliers for Reporting Limits
(Sample is non-detect but reported result exceeds project requirements for reporting limit)

Lab Report Batch: A7D170102 **Lab ID:** STLCAN

Client Sample ID	Lab Sample ID	Analysis Method	Matrix	Analyte Name	Lab Qualifier	Result	Reporting Limit Criteria*	Units
FWGRQLmw-007C-0441-	A7D170102011	8081A	AQ	Endosulfan I	U	0.050	0.04	ug/L
				Endosulfan II	U	0.050	0.04	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGRQLmw-008C-0442-	A7D170102013	8081A	AQ	Endosulfan I	U	0.12	0.11	ug/L
				Endosulfan II	U	0.12	0.11	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		2-Nitrotoluene	U	0.50	0.20	ug/L
				3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGRQLmw-009C-0443-	A7D170102015	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.50	0.20	ug/L
				4-Nitrotoluene	U	0.50	0.20	ug/L
FWGRQLmw-DUP1-0447-	A7D170102009	8081A	AQ	Endosulfan I	U	0.025	0.02	ug/L
				Endosulfan II	U	0.025	0.02	ug/L
		8260B		Methylene chloride	U	2.0	1.00	ug/L
				TOTAL XYLENES	U	2.0	1.00	ug/L
		8330		3-Nitrotoluene	U	0.52	0.20	ug/L
				4-Nitrotoluene	U	0.52	0.20	ug/L
FWGTEAM1-TRIP	A7D170102017	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTEAM2-TRIP	A7D170102018	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L
FWGTEAM3-TRIP	A7D170102019	8260B	AQ	TOTAL XYLENES	U	2.0	1.00	ug/L

* Reporting Limit Criteria = (Dilution Factor) * (Reporting Limit from the reference project library) * (Percent Moisture Correction)
Percent Moisture Correction:
Soil: 100 / (100 - Percent Moisture)
Water: 1

Project Number and Name: **030240.0005 - Ravenna GW**

APPENDIX C

INVESTIGATIVE DERIVED WASTE CHARACTERIZATION AND DISPOSAL PLAN

INVESTIGATION-DERIVED WASTE CHARACTERIZATION AND DISPOSAL PLAN

FOR THE
FACILITY WIDE GROUNDWATER MONITORING PROGRAM
APRIL 2007 SAMPLING EVENT
AT THE
RAVENNA ARMY AMMUNITION PLANT
RAVENNA, OHIO

JUNE 2007

Prepared for

U.S. Army Joint Operations Command
MARC Contract Number W912QR-04-D-0036

Prepared by
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CONTENTS

TABLES

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ACRONYMS

AOC	Area of Concern
EQM	Environmental Quality Management, Inc.
EPA	U.S. Environmental Protection Agency
IDW	investigation-derived wastes
Ohio EPA	Ohio Environmental Protection Agency
PPE	personal protective equipment
RCRA	Resource Conservation and Recovery Act
RVAAP	Ravenna Army Ammunition Plant
SAP	Sampling and Analysis Plan
SVOC	Semi-volatile organic compounds
TCLP	Toxicity Characteristic Leaching Procedure
USACE	US Army Corps of Engineers
UXO	unexploded ordnance
VOC	Volatile organic compounds

1.0 INTRODUCTION

Investigative activities were conducted during the Facility Wide Groundwater Monitoring Program sampling events in April 2007 at the Ravenna Army Ammunition Plant (RVAAP), Ravenna, Ohio, resulting in the generation of investigation-derived wastes (IDW) consisting of purge-water and equipment decontamination water wastes. The IDW purge water was generated in the course of sampling each well. The IDW decontamination waters were generated from the cleaning and decontamination activities for non-dedicated equipment needed to sample the wells. The purpose of this report is to characterize and classify the IDW for proper disposal. The report includes:

- A summary of the IDW generated and its origin,
- A review of the analytical results used for waste characterization,
- Classification of the IDW per the *Facility Wide Sampling and Analysis Plan*,
- Recommendations for disposal.

This document follows guidance established by the US Army Corps of Engineers (USACE) and the Ohio EPA regarding IDW disposition at RVAAP.

2.0 OPERATIONAL HISTORY AND WASTE GENERATION

Information regarding the operational history and suspected contaminants for the Facility Wide Groundwater Monitoring Program Plan is presented in Section 1.2 of the *Final Part 1- Sampling and Analysis Plan Addendum for the Facility-Wide Groundwater Monitoring Program Plan at the Ravenna Army Ammunition Plant, Ravenna, Ohio* (SAP Addendum) (Portage, 2004). Section 4.6 of the SAP Addendum describes procedures used for sampling and managing IDW at RVAAP.

Water (purged groundwater and decontamination water) IDW was generated during the April 2007 sampling event. Each AOC area had a drum designated and labeled for purge water disposal before any sampling events occurred as agreed upon by USACE, Ohio EPA, and EQM. The Background wells had one drum labeled for use prior to beginning the sampling events. Purge water was generated in accordance with the Facility Wide Sampling and Analysis Plan (SAP), Section 4.3.4.2 (SAIC, 2001) under the Micro-Purging criteria. Decontamination water was generated from the washing, rinsing, and decontamination procedures used for all non-dedicated sampling equipment. These decontamination procedures are described in Section 4.3.8 Decontamination Procedures of the Facility Wide SAP.

The unique drum container label number, the type and size of drum container used, estimated volume within each drum, and the source of purge waste water or decontamination fluid is presented in Table 2-1 below.

Table 2-1. IDW Inventory of Drums

Drum Label	Drum Type & Size	Contents	Estimated Volume	Location/Source
EQM 2007-1	55 Gal. Open Top	Decontamination wash water	~25-gallons	Equipment Rinse/Decontamination
EQM 2007-2	55 Gal. Open Top	Purge water	<10-gallons	Ramsdell Quarry Monitoring Wells 007, 008, 009
EQM 2007-3	55 Gal. Open Top	Purge water	<10-gallons	LL2 Monitoring Wells 059, 262, 263
EQM 2007-4	55 Gal. Open Top	Purge water	<10-gallons	LL3 Monitoring Wells 238, 242
EQM 2007-5	55 Gal. Open Top	Purge water	<10-gallons	LL4 Monitoring Wells 198, 199
EQM 2007-6	55 Gal. Open Top	Purge water	<10-gallons	LL11 Monitoring Wells 002, 007
EQM 2007-7	55 Gal. Open Top	Purge water	<10-gallons	LL12 Monitoring Wells 153, 182, 183, 186
EQM 2007-8	55 Gal. Open Top	Purge water	<10-gallons	Winklepeck Burning Grounds Monitoring Wells 006, 007, 009
EQM 2007-9	55 Gal. Open Top	Purge water	~ 35-gallon	Background Monitoring Wells 004, 005, 006, 008, 010, 012, 013, 015, 016, 017, 018, 019, 020, 021
EQM 2007-10	55 Gal. Open Top	Purge water	<10-gallons	Demolition Area 2 Monitoring wells DA2, DET3, DET4
EQM 2007-11	55 Gal. Open Top	Purge water	<10-gallons	Central Burn Area Monitoring Wells 006, 007
EQM 2007-12	55 Gal. Open Top	Purge water	<10-gallons	LL1 Monitoring Wells 078, 080, 083

3.0 MANAGEMENT OF ENVIRONMENTAL MEDIA

All environmental media were managed in a manner that minimized potential risk to human health and the environment. IDW was handled as nonhazardous material pending waste characterization and classification based on analytical results. The Facility-Wide SAP (SAIC, 2001) and the Final Part 1 Sampling and Analysis Plan (Portage, 2004) describe approved procedures used for containerizing and handling IDW.

All liquid indigenous (purged groundwater) IDW generated from each monitoring well micro-purging was segregated into different drums by AOC areas and placed into 55-gallon drums as previously agreed upon by USACE and Ohio EPA. The purge water was transferred daily from each well location after sampling by closed-top 5-gallon buckets to the appropriately labeled 55-gallon drums located and staged behind Building 1036.

4.0 DISCUSSION OF ANALYTICAL RESULTS

Per Section 7.4 of the Facility-Wide SAP (2001), IDW Characterization and Classification for Disposal, all IDW indigenous wastes were characterized for disposal by taking composite samples collected from each of the segregated waste streams. There were only two segregated waste streams that needed to be investigated: one for the purge water generated, and one for the decontamination procedures. Each waste stream had a composite sample taken by using a "drum thief" until a total of 4 liters was withdrawn in equal amounts from all drums of that particular waste stream. Each waste stream composite sample was submitted to STL Laboratories, North Canton for full toxicity characteristic leaching procedure (TCLP) analysis using the following methods in accordance with the Facility-Wide SAP (SAIC, 2001):

- TCLP Mercury by SW846 1311/7470A
- TCLP Metals (Silver, arsenic, barium, cadmium, chromium, lead, and selenium) by SW846 1311/6010B
- TCLP Semi-volatile organic compounds (SVOCs) by SW846 1311/8270C
- TCLP Volatile organic compounds (VOCs) by SW846 1311/8260B
- Reactive Cyanide by SW846 7.3.3
- Reactive Sulfide by SW846 7.3.4
- Flash Point by SW846 1010
- pH by SW846 9040B

A trip blank (FWG-IDW-TB2007-1) was submitted with the samples and analyzed for Volatile Organic Compounds. The IDW analytical results are presented in Appendix 1.

5.0 RECOMMENDATIONS FOR DISPOSAL

Table 7-1 in the Facility-Wide SAP (SAIC, 2001) presents all the maximum concentration of contaminants for the toxicity characteristic for hazardous wastes as per 40 CFR 261.24. Analytical results for the April 2007 Groundwater Sampling Events IDW were compared against these criteria to determine whether waste streams generated were potentially hazardous or non-hazardous.

5.1 Groundwater

IDW was generated during the well sampling activities by micro-purging monitoring wells associated with this investigation. After comparing the analytical data results generated from groundwater sampling activities to the contaminants and their regulatory levels from Table 7-1, the data indicated that no regulatory criteria for Resource Conservation and Recovery Act (RCRA) hazardous waste determinations were exceeded.

Table 5.1 below presents the detected results compared to the regulatory characteristic for hazardous wastes as per 40 CFR 261.24. For a complete listing of all RCRA toxicity characteristic values reference Table 7-1 in the Facility-Wide SAP (SAIC, 2001).

Table 5.1 Detected Analytical Results

Sample ID	Detected Contaminant	Detected Result (mg/L)	Regulatory[1] Level (mg/L)	Above Regulatory Yes/No
FWG-IDW-MWPURGEAPRIL2007	Barium - TCLP	0.066 J	100.0	No
	Flashpoint	>180°F	<140°F	No
	pH	8.5	<2 or >12.5	No
FWG-IDW-MWDECONAPRIL2007	Arsenic - TCLP	0.0091 J	5.0	No
	Barium – TCLP	0.0079 J	100.00	No
	Cadmium - TCLP	0.0010 J	1.0	No
	Chromium - TCLP	0.0021 J	5.0	No
	Mercury - TCLP	0.00017 J	0.2	No
	0-Cresol	0.0025 J	200	No
	M&P Cresol	0.0035 J	200	No
	2-Butanone (MEK)	0.079	200	No
	Flashpoint	>180°F	<140°F	No
	pH	8.0	<2 or >12.5	No
FWG-IDW-TBAPRIL2007	None			

J = Estimated result. Result is less than reporting limit Note that the flags used to qualify the data are consistent with USACE Laboratory Chemistry Guidelines.
1 = USEPA Regulatory Characteristic Levels (40 CFR 261.20 through 24).

It is recommended that the drums containing purged groundwater be classified as contaminated, but non-hazardous and that they be sent off-site for disposal to a permitted water treatment facility in accordance with the Facility-Wide SAP (SAIC, 2001) guidance under Section 7.0 "Investigation-Derived Waste".

5.2 Decontamination Fluids

A composite sample collected from decontamination fluids generated from cleaning of non-dedicated sampling equipment used during the investigation indicated that all analytes were below TCLP threshold values and therefore should be classified as non-hazardous. It is recommended that these containers be classified as contaminated, non-hazardous, and that they be sent off-site for disposal to a permitted water treatment facility in accordance with the Facility-Wide SAP (SAIC, 2001) guidance under Section 7.0 Investigation-Derived Waste.

5.3 Summary of Disposal Recommendations

It is recommended that all drums be classified as contaminated, but non-hazardous and that they be sent off-site for disposal to a permitted water treatment facility. The TCLP test results for both composite samples show that no chemical was detected in levels that required a labeling of hazardous. Table 5-2 presents a summary of each drum and the recommended disposal options for the waste streams presented and previously discussed.

Table 5.2. Summary of Drum Containers, TCLP Criteria, and Disposal Recommendations

Drum Container Label	Media	TCLP Criteria	Disposal Recommendation
EQM 2007-1	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-2	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-3	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-4	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-5	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-6	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-7	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-8	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-9	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-10	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-11	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal
EQM 2007-12	Water	Maximum Concentration of Contaminants NOT exceeded	Consolidated for Off-Site Non-Hazardous Disposal

6.0 REFERENCES

SAIC, 2001. *Facility-Wide Sampling and Analysis Plan for Environmental Investigations at the Ravenna Army Ammunition Plant, Ravenna, Ohio.*

Portage Environmental, 2004, *RVAAP Facility Wide Groundwater Monitoring Program Plan.*

APPENDIX 1

INVESTIGATION-DERIVED WASTE ANALYTICAL RESULTS SUMMARY

STL

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ANALYTICAL REPORT

PROJECT NO. 24000826-0

RVAAP-OH

Lot #: A7E310240

Eric Corbin

Environmental Quality Mgt., I
1800 Carillon Blvd
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SEVERN TRENT LABORATORIES, INC.

Mark J. Loeb
Project Manager

June 13, 2007

STL

CASE NARRATIVE

CASE NARRATIVE

A7E310240

The following report contains the analytical results for two water samples and one quality control sample submitted to STL North Canton by Environmental Quality Mgt. Inc. from the RVAAP-OH Site, project number 24000826-0. The samples were received May 31, 2007, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Eric Corbin on June 12, 2007. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data generated by STL facilities reported herein. All analyses performed by STL facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

If you have any questions, please call the Project Manager, Mark J. Loeb, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 28.7°C.

Samples were brought to the laboratory directly from the field.

CASE NARRATIVE (continued)

GC/MS VOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

The matrix spike/matrix spike duplicate(s) for batch(es) 7155443 and 7156423 had recoveries outside acceptance limits. However, since the associated method blank(s) and laboratory control sample(s) were in control, no corrective action was necessary.

2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample.

GC/MS SEMIVOLATILES

The sample(s) that contain results between the MDL and the RL were flagged with "J". There is a possibility of false positive or mis-identification at these quantitation levels. In analytical methods requiring confirmation of the analyte reported, confirmation was performed only down to the standard reporting limit (SRL). The acceptance criteria for QC samples may not be met at these quantitation levels.

Batch(es) 7156157 had RPDs outside QC criteria in the LCS/LCSD, but recoveries were within QC criteria; therefore, no corrective action was required.

METALS

The sample(s) that contain results between the MDL and the RL were flagged with "B". There is the possibility of false positive or mis-identification at these quantitation levels. The acceptance criteria for the ICB, CCB, and Method Blank are +/- the standard reporting limit (SRL).

No ICP Trace or ICP MS Form IX was provided for batch(es) 7156059. The serial dilution was performed on a different sample from the same QC batch(es).

GENERAL CHEMISTRY

Reactive Cyanide and/or Reactive Sulfide results have been reported herein with an SW846 method reference. Although the analyses are based on the referenced methods, US EPA has amended sections 7.3.3 and 7.3.4 of SW846-Chapter Seven to withdraw the Cyanide and Sulfide reactivity guidance from *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* in June of 2005 (6/14/05; 70 FR 34537). The analyses are no longer approved by USEPA for use in complying with RCRA regulations.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)
-

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS OF SW-846 METHODS
(Continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, and PAH methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.

EXECUTIVE SUMMARY

EXECUTIVE SUMMARY - Detection Highlights

A7E310240

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
FWG-IDW-MWDECONAPRIL2007 05/31/07 11:45 001				
Mercury - TCLP	0.00017 B	0.0020	mg/L	SW846 7470A
Arsenic - TCLP	0.0091 B	0.50	mg/L	SW846 6010B
Barium - TCLP	0.0079 B	10.0	mg/L	SW846 6010B
Cadmium - TCLP	0.0010 B	0.10	mg/L	SW846 6010B
Chromium - TCLP	0.0021 B	0.50	mg/L	SW846 6010B
o-Cresol	0.0025 J	0.0040	mg/L	SW846 8270C
m-Cresol & p-Cresol	0.0035 J	0.040	mg/L	SW846 8270C
2-Butanone (MEK)	0.079 J	0.25	mg/L	SW846 8260B
Flashpoint	>180		deg F	SW846 1010
pH (liquid)	8.0		No Units	SW846 9040B
FWG-IDW-MWPURGEAPRIL2007 05/31/07 11:55 002				
Barium - TCLP	0.066 B	10.0	mg/L	SW846 6010B
Flashpoint	>180		deg F	SW846 1010
pH (liquid)	8.5		No Units	SW846 9040B

METHOD SUMMARY

ANALYTICAL METHODS SUMMARY

A7E310240

PARAMETER	ANALYTICAL METHOD
pH Aqueous	SW846 9040B
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Pensky-Martens Method for Determining Ignitability	SW846 1010
Reactive Cyanide	SW846 7.3.3
Reactive Sulfide	SW846 7.3.4
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

STL

SAMPLE SUMMARY

SAMPLE SUMMARY

A7E310240

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
JX2ME	001	FWG-IDW-MWDECONAPRIL2007	05/31/07	11:45
JX2MM	002	FWG-IDW-MWPURGEAPRIL2007	05/31/07	11:55
JX2MN	003	FWG-IDW-TBAPRIL2007	05/31/07	11:55

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

SHIPPING AND RECEIVING DOCUMENTS

Chain of Custody Record

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client: EQM	Project Manager: John Miller	Date: 5/31/07	Chain of Custody Number: 336027
Address: 1800 Carillon Blvd	Telephone Number (Area Code)/Fax Number: 513 825 7500	Lab Number:	Page 1 of 1
City: Cincinnati / State: OH / Zip Code: 45240	Site Contact: Eric Corbin	Lab Contact: Mark Loeb	
Project Name and Location (State): RVAAP - OH	Carrier/Waybill Number: NA		
Contract/Purchase Order/Quote No.: Mark Loeb 24000826-0			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCLP SVOCs/Metals	TCLP VOCs	Reactive CN/Sulfide	Ignitability, pH	VOCs	TCLP Mercury	Special Instructions/ Conditions of Receipt
FWG-IDW-MW DEconA Apr. 12007	5/31/07	1145		✓			7						✓	✓	✓	✓		✓	Samples delivered directly to lab may not have cooled to 4°C
FWG-IDW-MW Purge Apr. 12007	5/31/07	1155		✓			7						✓	✓	✓	✓		✓	
FWG-IDW-TB Apr. 12007	5/31/07	1155		✓						2							✓		

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	5/31/07	1430	1. Received By		
2. Relinquished By			2. Received By	5/31/07	1430
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

STL North Canton

STL Cooler Receipt Form/Narrative **Lot Number:** 310240
North Canton Facility

Client: EQM Project: RVAAP-011 Quote#: 44957
Cooler Received on: 5/31/07 Opened on: 5/31/07 by: (Signature)
Fedx ☐ Client Drop Off ☒ UPS ☐ DHL ☐ FAS ☐ STL Courier ☐
Stetson ☐ US Cargo ☐ Other:
STL Cooler No# C90 Foam Box ☐ Client Cooler ☐ Other
1. Were custody seals on the outside of the cooler? Yes ☐ No ☒ Intact? Yes ☐ No ☐ NA ☒
If YES, Quantity
Were the custody seals signed and dated? Yes ☐ No ☐ NA ☒
2. Shipper's packing slip attached to this form? Yes ☐ No ☐ NA ☒
3. Did custody papers accompany the samples? Yes ☒ No ☐ Relinquished by client? Yes ☒ No ☐
4. Did you sign the custody papers in the appropriate place? Yes ☒ No ☐
5. Packing material used: Bubble Wrap ☒ Foam ☐ None ☐ Other :
6. Cooler temperature upon receipt 26.7 °C (see back of form for multiple coolers/temp)
METHOD: Temp Vial ☐ Coolant & Sample ☐ Against Bottles ☐ IR ☒ ICE/H_2O Slurry ☐
COOLANT: Wet Ice ☒ Blue Ice ☐ Dry Ice ☐ Water ☐ None ☐
7. Did all bottles arrive in good condition (Unbroken)? Yes ☒ No ☐
8. Could all bottle labels and/or tags be reconciled with the COC? Yes ☒ No ☐
9. Were samples at the correct pH upon receipt? Yes ☐ No ☐ NA ☒
10. Were correct bottles used for the tests indicated? Yes ☒ No ☐
11. Were air bubbles >6 mm in any VOA vials? Yes ☐ No ☒ NA ☐
12. Sufficient quantity received to perform indicated analyses? Yes ☒ No ☐
13. Was a Trip Blank present in the cooler? Yes ☒ No ☐ Were VOAs on the COC? Yes ☒ No ☐
Contacted PM MJL Date: 5/31/07 by: JB via Voice Mail ☐ Verbal ☒ Other ☐
Concerning: High Temp

√	
	1. CHAIN OF CUSTODY
√	The following discrepancies occurred: HIGH TEMP DUE TO SAMPLES BEING BROUGHT FROM FIELD.
	2. SAMPLE CONDITION
	Sample(s) were received after the recommended holding time had expired.
	Sample(s) were received in a broken container.
	3. SAMPLE PRESERVATION
	Sample(s) were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot #* 110106 - *Sulfuric Acid Lot #* 092006-*H2SO4; Sodium Hydroxide Lot #* -122805 -*NaOH; Hydrochloric Acid Lot #* 100504-*HCl; Sodium Hydroxide and Zinc Acetate Lot #* 050205-*CH3COO2ZN/NaOH*
	Sample(s) were received with bubble > 6 mm in diameter (cc: PM)
	4. Other (see below or back)

Client ID	pH	Date	Initials

STL Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler	Temp	Method	Coolant

Discrepancies Cont.

SEVERN TRENT STL

GCMS VOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWDECONAPRIL2007

TCLP GC/MS Volatiles

Lot-Sample #...:	A7E310240-001	**Work Order #...:**	JX2ME1AA	**Matrix.....:**	WG
Date Sampled...:	05/31/07 11:45	**Date Received..:**	05/31/07		
Leach Date.....:	06/04/07	**Prep Date.....:**	06/05/07	**Analysis Date..:**	06/05/07
Leach Batch #..:	P715501	**Prep Batch #...:**	7156423		
Dilution Factor:	1	**Initial Wgt/Vol:**	0.1 mL	**Final Wgt/Vol..:**	5 mL
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.025	mg/L
2-Butanone (MEK)	**0.079 J**	**0.25**	**mg/L**
Carbon tetrachloride	ND	0.025	mg/L
Chlorobenzene	ND	0.025	mg/L
Chloroform	ND	0.025	mg/L
1,2-Dichloroethane	ND	0.025	mg/L
1,1-Dichloroethylene	ND	0.070	mg/L
Tetrachloroethylene	ND	0.070	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.025	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(86 - 125)
1,2-Dichloroethane-d4	90	(80 - 122)
Toluene-d8	93	(90 - 122)
4-Bromofluorobenzene	100	(84 - 125)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWPURGEAPRIL2007

TCLP GC/MS Volatiles

Lot-Sample #...: A7E310240-002	**Work Order #...:** JX2MM1AA	**Matrix.....:** WG	
Date Sampled...: 05/31/07 11:55	**Date Received..:** 05/31/07		
Leach Date.....: 06/04/07	**Prep Date.....:** 06/05/07	**Analysis Date..:** 06/05/07	
Leach Batch #..: P715501	**Prep Batch #...:** 7156423		
Dilution Factor: 1	**Initial Wgt/Vol:** 0.1 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.025	mg/L
2-Butanone (MEK)	ND	0.25	mg/L
Carbon tetrachloride	ND	0.025	mg/L
Chlorobenzene	ND	0.025	mg/L
Chloroform	ND	0.025	mg/L
1,2-Dichloroethane	ND	0.025	mg/L
1,1-Dichloroethylene	ND	0.070	mg/L
Tetrachloroethylene	ND	0.070	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.025	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(86 - 125)
1,2-Dichloroethane-d4	91	(80 - 122)
Toluene-d8	94	(90 - 122)
4-Bromofluorobenzene	100	(84 - 125)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-TBAPRIL2007

GC/MS Volatiles

Lot-Sample #...: A7E310240-003	**Work Order #...:** JX2MN1AA	**Matrix.....:** WQ	
Date Sampled...: 05/31/07 11:55	**Date Received..:** 05/31/07		
Prep Date.....: 06/01/07	**Analysis Date..:** 06/01/07		
Prep Batch #...: 7155443			
Dilution Factor: 1	**Initial Wgt/Vol:** 5 mL	**Final Wgt/Vol..:** 5 mL	
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	5.0	ug/L
2-Butanone (MEK)	ND	20	ug/L
Carbon tetrachloride	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	ND	5.0	ug/L
1,1-Dichloroethylene	ND	5.0	ug/L
Tetrachloroethylene	ND	5.0	ug/L
Trichloroethylene	ND	5.0	ug/L
Vinyl chloride	ND	5.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(78 - 115)
1,2-Dichloroethane-d4	101	(77 - 120)
Toluene-d8	104	(78 - 111)
4-Bromofluorobenzene	94	(80 - 114)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX8T41AA **Matrix.....:** WATER
MB Lot-Sample #: A7F040000-443

Prep Date.....: 06/01/07 **Final Wgt/Vol..:** 5 mL
Analysis Date..: 06/01/07 **Prep Batch #...:** 7155443
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	5.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	20	ug/L	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethylene	ND	5.0	ug/L	SW846 8260B
Tetrachloroethylene	ND	5.0	ug/L	SW846 8260B
Trichloroethylene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	5.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	106	(76 - 110)
4-Bromofluorobenzene	96	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX7M31AA **Matrix.....:** WATER
MB Lot-Sample #: A7F040000-161
Leach Date.....: 06/04/07 **Prep Date.....:** 06/05/07 **Analysis Date..:** 06/05/07
Leach Batch #..: P715501 **Prep Batch #...:** 7156423 **Final Wgt/Vol..:** 5 mL
Dilution Factor: 1 **Initial Wgt/Vol:** 0.1 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.025	mg/L	SW846 8260B
2-Butanone (MEK)	ND	0.25	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.025	mg/L	SW846 8260B
Chlorobenzene	ND	0.025	mg/L	SW846 8260B
Chloroform	ND	0.025	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.025	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.070	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.070	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.025	mg/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(86 - 125)
1,2-Dichloroethane-d4	93	(80 - 122)
Toluene-d8	94	(90 - 122)
4-Bromofluorobenzene	97	(84 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX8T41AC **Matrix.....:** WATER
LCS Lot-Sample#: A7F040000-443
Prep Date.....: 06/01/07 **Analysis Date..:** 06/01/07
Prep Batch #...: 7155443
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Chloromethane	74	(48 - 123)	SW846 8260B
Bromomethane	102	(64 - 129)	SW846 8260B
Chloroethane	82	(66 - 126)	SW846 8260B
Methylene chloride	104	(78 - 118)	SW846 8260B
Acetone	60	(22 - 200)	SW846 8260B
Carbon disulfide	81	(73 - 139)	SW846 8260B
1,1-Dichloroethane	90	(86 - 123)	SW846 8260B
1,2-Dichloroethene (total)	91	(82 - 116)	SW846 8260B
1,1,1-Trichloroethane	87	(78 - 140)	SW846 8260B
Bromodichloromethane	102	(87 - 130)	SW846 8260B
1,2-Dichloropropane	90	(82 - 115)	SW846 8260B
cis-1,3-Dichloropropene	83 a	(84 - 130)	SW846 8260B
Dibromochloromethane	90	(81 - 138)	SW846 8260B
1,1,2-Trichloroethane	95	(83 - 122)	SW846 8260B
trans-1,3-Dichloropropene	82 a	(84 - 130)	SW846 8260B
Bromoform	81	(76 - 150)	SW846 8260B
4-Methyl-2-pentanone	66 a	(78 - 141)	SW846 8260B
2-Hexanone	57	(35 - 200)	SW846 8260B
1,1,2,2-Tetrachloroethane	90	(85 - 118)	SW846 8260B
Toluene	**101**	**(74 - 119)**	**SW846 8260B**
Ethylbenzene	97	(86 - 116)	SW846 8260B
Styrene	90	(85 - 117)	SW846 8260B
Xylenes (total)	89	(87 - 116)	SW846 8260B
cis-1,2-Dichloroethene	88	(85 - 113)	SW846 8260B
trans-1,2-Dichloroethene	94	(80 - 120)	SW846 8260B
Dichlorodifluoromethane	64 a	(70 - 130)	SW846 8260B
Trichlorofluoromethane	101	(70 - 130)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	79	(70 - 130)	SW846 8260B
Methyl acetate	71	(70 - 130)	SW846 8260B
Methyl tert-butyl ether (MTBE)	72	(70 - 130)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX8T41AC **Matrix.....:** WATER
LCS Lot-Sample#: A7F040000-443

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Cyclohexane	51 a	(70 - 130)	SW846 8260B
Methylcyclohexane	60 a	(70 - 130)	SW846 8260B
1,2-Dibromoethane	99	(70 - 130)	SW846 8260B
Isopropylbenzene	94	(70 - 130)	SW846 8260B
1,3-Dichlorobenzene	97	(70 - 130)	SW846 8260B
1,4-Dichlorobenzene	93	(70 - 130)	SW846 8260B
1,2-Dichlorobenzene	93	(70 - 130)	SW846 8260B
1,2-Dibromo-3-chloropropane	68 a	(70 - 130)	SW846 8260B
1,2,4-Trichlorobenzene	66 a	(70 - 130)	SW846 8260B
Methyl tert-butyl ether	72	(70 - 130)	SW846 8260B
n-Hexane	58 a	(70 - 130)	SW846 8260B
o-Xylene	89	(70 - 130)	SW846 8260B
m-Xylene & p-Xylene	89	(70 - 130)	SW846 8260B
2-Chloroethyl vinyl ether	72	(70 - 130)	SW846 8260B
Acetonitrile	75	(50 - 130)	SW846 8260B
Acrolein	78	(50 - 130)	SW846 8260B
Vinyl acetate	132 a	(70 - 130)	SW846 8260B
Acrylonitrile	78	(50 - 130)	SW846 8260B
Bromobenzene	102	(70 - 130)	SW846 8260B
Bromochloromethane	120	(70 - 130)	SW846 8260B
n-Butylbenzene	74	(70 - 130)	SW846 8260B
sec-Butylbenzene	80	(70 - 130)	SW846 8260B
tert-Butylbenzene	84	(70 - 130)	SW846 8260B
2-Chlorotoluene	97	(70 - 130)	SW846 8260B
4-Chlorotoluene	98	(70 - 130)	SW846 8260B
Dibromomethane	105	(70 - 130)	SW846 8260B
1,3-Dichloropropane	94	(70 - 130)	SW846 8260B
2,2-Dichloropropane	98	(70 - 130)	SW846 8260B
1,1-Dichloropropene	94	(70 - 130)	SW846 8260B
Hexachlorobutadiene	70	(70 - 130)	SW846 8260B
Iodomethane	101	(70 - 130)	SW846 8260B
p-Isopropyltoluene	85	(70 - 130)	SW846 8260B
Naphthalene	67 a	(70 - 130)	SW846 8260B
n-Propylbenzene	81	(70 - 130)	SW846 8260B
1,1,1,2-Tetrachloroethane	102	(70 - 130)	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX8T41AC **Matrix.....:** WATER
LCS Lot-Sample#: A7F040000-443

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,2,3-Trichlorobenzene	66 a	(70 - 130)	SW846 8260B
1,2,3-Trichloropropane	94	(70 - 130)	SW846 8260B
1,2,4-Trimethylbenzene	88	(70 - 130)	SW846 8260B
1,3,5-Trimethylbenzene	86	(70 - 130)	SW846 8260B
Vinyl chloride	85	(61 - 120)	SW846 8260B
1,1-Dichloroethylene	**93**	**(63 - 130)**	**SW846 8260B**
Chloroform	98	(84 - 128)	SW846 8260B
1,2-Dichloroethane	103	(79 - 136)	SW846 8260B
2-Butanone (MEK)	69	(28 - 237)	SW846 8260B
Carbon tetrachloride	91	(75 - 149)	SW846 8260B
Trichloroethylene	**104**	**(75 - 122)**	**SW846 8260B**
Benzene	**93**	**(80 - 116)**	**SW846 8260B**
Tetrachloroethylene	97	(88 - 113)	SW846 8260B
Chlorobenzene	**101**	**(76 - 117)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	110	(76 - 110)
4-Bromofluorobenzene	109	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX8T41AC **Matrix.....:** WATER
LCS Lot-Sample#: A7F040000-443
Prep Date.....: 06/01/07 **Analysis Date..:** 06/01/07
Prep Batch #...: 7155443
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 5 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Chloromethane	20	15	ug/L	74	SW846 8260B
Bromomethane	20	20	ug/L	102	SW846 8260B
Chloroethane	20	16	ug/L	82	SW846 8260B
Methylene chloride	20	21	ug/L	104	SW846 8260B
Acetone	20	12	ug/L	60	SW846 8260B
Carbon disulfide	20	16	ug/L	81	SW846 8260B
1,1-Dichloroethane	20	18	ug/L	90	SW846 8260B
1,2-Dichloroethene (total)	40	36	ug/L	91	SW846 8260B
1,1,1-Trichloroethane	20	17	ug/L	87	SW846 8260B
Bromodichloromethane	20	20	ug/L	102	SW846 8260B
1,2-Dichloropropane	20	18	ug/L	90	SW846 8260B
cis-1,3-Dichloropropene	20	17 a	ug/L	83	SW846 8260B
Dibromochloromethane	20	18	ug/L	90	SW846 8260B
1,1,2-Trichloroethane	20	19	ug/L	95	SW846 8260B
trans-1,3-Dichloropropene	20	16 a	ug/L	82	SW846 8260B
Bromoform	20	16	ug/L	81	SW846 8260B
4-Methyl-2-pentanone	20	13 a	ug/L	66	SW846 8260B
2-Hexanone	20	11	ug/L	57	SW846 8260B
1,1,2,2-Tetrachloroethane	20	18	ug/L	90	SW846 8260B
Toluene	**20**	**20**	**ug/L**	**101**	**SW846 8260B**
Ethylbenzene	20	19	ug/L	97	SW846 8260B
Styrene	20	18	ug/L	90	SW846 8260B
Xylenes (total)	60	54	ug/L	89	SW846 8260B
cis-1,2-Dichloroethene	20	18	ug/L	88	SW846 8260B
trans-1,2-Dichloroethene	20	19	ug/L	94	SW846 8260B
Dichlorodifluoromethane	20	13 a	ug/L	64	SW846 8260B
Trichlorofluoromethane	20	20	ug/L	101	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	20	16	ug/L	79	SW846 8260B
Methyl acetate	20	14	ug/L	71	SW846 8260B
Methyl tert-butyl ether (MTBE)	20	14	ug/L	72	SW846 8260B

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX8T41AC **Matrix.....:** WATER
LCS Lot-Sample#: A7F040000-443

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Cyclohexane	20	10 a	ug/L	51	SW846 8260B
Methylcyclohexane	20	12 a	ug/L	60	SW846 8260B
1,2-Dibromoethane	20	20	ug/L	99	SW846 8260B
Isopropylbenzene	20	19	ug/L	94	SW846 8260B
1,3-Dichlorobenzene	20	19	ug/L	97	SW846 8260B
1,4-Dichlorobenzene	20	19	ug/L	93	SW846 8260B
1,2-Dichlorobenzene	20	19	ug/L	93	SW846 8260B
1,2-Dibromo-3-chloropropane	20	14 a	ug/L	68	SW846 8260B
1,2,4-Trichlorobenzene	20	13 a	ug/L	66	SW846 8260B
Methyl tert-butyl ether	20	14	ug/L	72	SW846 8260B
n-Hexane	20	12 a	ug/L	58	SW846 8260B
o-Xylene	20	18	ug/L	89	SW846 8260B
m-Xylene & p-Xylene	40	36	ug/L	89	SW846 8260B
2-Chloroethyl vinyl ether	20	14	ug/L	72	SW846 8260B
Acetonitrile	200	150	ug/L	75	SW846 8260B
Acrolein	200	160	ug/L	78	SW846 8260B
Vinyl acetate	20	26 a	ug/L	132	SW846 8260B
Acrylonitrile	200	160	ug/L	78	SW846 8260B
Bromobenzene	20	20	ug/L	102	SW846 8260B
Bromochloromethane	20	24	ug/L	120	SW846 8260B
n-Butylbenzene	20	15	ug/L	74	SW846 8260B
sec-Butylbenzene	20	16	ug/L	80	SW846 8260B
tert-Butylbenzene	20	17	ug/L	84	SW846 8260B
2-Chlorotoluene	20	19	ug/L	97	SW846 8260B
4-Chlorotoluene	20	20	ug/L	98	SW846 8260B
Dibromomethane	20	21	ug/L	105	SW846 8260B
1,3-Dichloropropane	20	19	ug/L	94	SW846 8260B
2,2-Dichloropropane	20	20	ug/L	98	SW846 8260B
1,1-Dichloropropene	20	19	ug/L	94	SW846 8260B
Hexachlorobutadiene	20	14	ug/L	70	SW846 8260B
Iodomethane	20	20	ug/L	101	SW846 8260B
p-Isopropyltoluene	20	17	ug/L	85	SW846 8260B
Naphthalene	20	13 a	ug/L	67	SW846 8260B
n-Propylbenzene	20	16	ug/L	81	SW846 8260B
1,1,1,2-Tetrachloroethane	20	20	ug/L	102	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JX8T41AC **Matrix.....:** WATER
LCS Lot-Sample#: A7F040000-443

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,2,3-Trichlorobenzene	20	13 a	ug/L	66	SW846 8260B
1,2,3-Trichloropropane	20	19	ug/L	94	SW846 8260B
1,2,4-Trimethylbenzene	20	18	ug/L	88	SW846 8260B
1,3,5-Trimethylbenzene	20	17	ug/L	86	SW846 8260B
Vinyl chloride	20	17	ug/L	85	SW846 8260B
1,1-Dichloroethylene	**20**	**19**	**ug/L**	**93**	**SW846 8260B**
Chloroform	20	20	ug/L	98	SW846 8260B
1,2-Dichloroethane	20	21	ug/L	103	SW846 8260B
2-Butanone (MEK)	20	14	ug/L	69	SW846 8260B
Carbon tetrachloride	20	18	ug/L	91	SW846 8260B
Trichloroethylene	**20**	**21**	**ug/L**	**104**	**SW846 8260B**
Benzene	**20**	**19**	**ug/L**	**93**	**SW846 8260B**
Tetrachloroethylene	20	19	ug/L	97	SW846 8260B
Chlorobenzene	**20**	**20**	**ug/L**	**101**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
1,2-Dichloroethane-d4	104	(61 - 128)
Toluene-d8	110	(76 - 110)
4-Bromofluorobenzene	109	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** J0A5K1AA **Matrix.....:** SOLID
LCS Lot-Sample#: A7F050000-423
Prep Date.....: 06/05/07 **Analysis Date..:** 06/05/07
Prep Batch #...: 7156423
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 0.1 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**104**	**(76 - 118)**	**SW846 8260B**
Chloromethane	87	(37 - 126)	SW846 8260B
2-Butanone (MEK)	116 a	(40 - 110)	SW846 8260B
Bromomethane	77	(55 - 137)	SW846 8260B
Carbon tetrachloride	94	(71 - 124)	SW846 8260B
Chlorobenzene	**100**	**(76 - 113)**	**SW846 8260B**
Chloroform	108	(82 - 117)	SW846 8260B
Chloroethane	89	(55 - 125)	SW846 8260B
1,2-Dichloroethane	103	(78 - 122)	SW846 8260B
1,1-Dichloroethylene	**102**	**(67 - 128)**	**SW846 8260B**
Methylene chloride	131	(69 - 131)	SW846 8260B
Tetrachloroethylene	111	(64 - 121)	SW846 8260B
Acetone	81	(22 - 110)	SW846 8260B
Trichloroethylene	**102**	**(76 - 119)**	**SW846 8260B**
Vinyl chloride	82	(47 - 123)	SW846 8260B
Carbon disulfide	98	(57 - 128)	SW846 8260B
1,1-Dichloroethane	103	(79 - 119)	SW846 8260B
1,2-Dichloroethene (total)	103	(79 - 118)	SW846 8260B
1,1,1-Trichloroethane	97	(74 - 122)	SW846 8260B
Bromodichloromethane	101	(78 - 123)	SW846 8260B
1,2-Dichloropropane	95	(80 - 119)	SW846 8260B
cis-1,3-Dichloropropene	79	(74 - 126)	SW846 8260B
Dibromochloromethane	84	(76 - 120)	SW846 8260B
1,1,2-Trichloroethane	104	(84 - 110)	SW846 8260B
trans-1,3-Dichloropropene	68 a	(71 - 112)	SW846 8260B
Bromoform	68	(63 - 129)	SW846 8260B
4-Methyl-2-pentanone	102	(56 - 125)	SW846 8260B
2-Hexanone	103	(36 - 111)	SW846 8260B
1,1,2,2-Tetrachloroethane	93	(79 - 120)	SW846 8260B
Toluene	**101**	**(72 - 117)**	**SW846 8260B**
Ethylbenzene	102	(71 - 119)	SW846 8260B
Styrene	103	(71 - 120)	SW846 8260B

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** J0A5K1AA **Matrix.....:** SOLID
LCS Lot-Sample#: A7F050000-423

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Xylenes (total)	105	(72 - 120)	SW846 8260B
cis-1,2-Dichloroethene	100	(81 - 116)	SW846 8260B
trans-1,2-Dichloroethene	105	(74 - 122)	SW846 8260B
n-Hexane	115	(68 - 139)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(86 - 124)
1,2-Dichloroethane-d4	93	(80 - 122)
Toluene-d8	98	(90 - 122)
4-Bromofluorobenzene	104	(84 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** J0A5K1AA **Matrix.....:** SOLID
LCS Lot-Sample#: A7F050000-423
Prep Date.....: 06/05/07 **Analysis Date..:** 06/05/07
Prep Batch #...: 7156423
Dilution Factor: 1 **Final Wgt/Vol..:** 5 mL
Initial Wgt/Vol: 0.1 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Benzene	**1.0**	**1.0**	**mg/L**	**104**	**SW846 8260B**
Chloromethane	1.0	0.87	mg/L	87	SW846 8260B
2-Butanone (MEK)	1.0	1.2 a	mg/L	116	SW846 8260B
Bromomethane	1.0	0.77	mg/L	77	SW846 8260B
Carbon tetrachloride	1.0	0.94	mg/L	94	SW846 8260B
Chlorobenzene	**1.0**	**1.0**	**mg/L**	**100**	**SW846 8260B**
Chloroform	1.0	1.1	mg/L	108	SW846 8260B
Chloroethane	1.0	0.89	mg/L	89	SW846 8260B
1,2-Dichloroethane	1.0	1.0	mg/L	103	SW846 8260B
1,1-Dichloroethylene	**1.0**	**1.0**	**mg/L**	**102**	**SW846 8260B**
Methylene chloride	1.0	1.3	mg/L	131	SW846 8260B
Tetrachloroethylene	1.0	1.1	mg/L	111	SW846 8260B
Acetone	1.0	0.81	mg/L	81	SW846 8260B
Trichloroethylene	**1.0**	**1.0**	**mg/L**	**102**	**SW846 8260B**
Vinyl chloride	1.0	0.82	mg/L	82	SW846 8260B
Carbon disulfide	1.0	0.98	mg/L	98	SW846 8260B
1,1-Dichloroethane	1.0	1.0	mg/L	103	SW846 8260B
1,2-Dichloroethene (total)	2.0	2.1	mg/L	103	SW846 8260B
1,1,1-Trichloroethane	1.0	0.97	mg/L	97	SW846 8260B
Bromodichloromethane	1.0	1.0	mg/L	101	SW846 8260B
1,2-Dichloropropane	1.0	0.95	mg/L	95	SW846 8260B
cis-1,3-Dichloropropene	1.0	0.79	mg/L	79	SW846 8260B
Dibromochloromethane	1.0	0.84	mg/L	84	SW846 8260B
1,1,2-Trichloroethane	1.0	1.0	mg/L	104	SW846 8260B
trans-1,3-Dichloropropene	1.0	0.68 a	mg/L	68	SW846 8260B
Bromoform	1.0	0.68	mg/L	68	SW846 8260B
4-Methyl-2-pentanone	1.0	1.0	mg/L	102	SW846 8260B
2-Hexanone	1.0	1.0	mg/L	103	SW846 8260B
1,1,2,2-Tetrachloroethane	1.0	0.93	mg/L	93	SW846 8260B
Toluene	**1.0**	**1.0**	**mg/L**	**101**	**SW846 8260B**
Ethylbenzene	1.0	1.0	mg/L	102	SW846 8260B
Styrene	1.0	1.0	mg/L	103	SW846 8260B

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** J0A5K1AA **Matrix.....:** SOLID
LCS Lot-Sample#: A7F050000-423

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Xylenes (total)	3.0	3.1	mg/L	105	SW846 8260B
cis-1,2-Dichloroethene	1.0	1.0	mg/L	100	SW846 8260B
trans-1,2-Dichloroethene	1.0	1.1	mg/L	105	SW846 8260B
n-Hexane	1.0	1.2	mg/L	115	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(86 - 124)
1,2-Dichloroethane-d4	93	(80 - 122)
Toluene-d8	98	(90 - 122)
4-Bromofluorobenzene	104	(84 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD
Date Sampled...: 05/24/07 08:30 **Date Received..:** 05/25/07
Prep Date.....: 06/01/07 **Analysis Date..:** 06/01/07
Prep Batch #...: 7155443
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Chloromethane	74	(40 - 137)			SW846 8260B
	75	(40 - 137)	1.0	(0-39)	SW846 8260B
Bromomethane	105	(55 - 145)			SW846 8260B
	105	(55 - 145)	0.34	(0-30)	SW846 8260B
Chloroethane	91	(59 - 142)			SW846 8260B
	94	(59 - 142)	3.2	(0-30)	SW846 8260B
Methylene chloride	101	(82 - 115)			SW846 8260B
	103	(82 - 115)	1.5	(0-30)	SW846 8260B
Acetone	68	(45 - 128)			SW846 8260B
	64	(45 - 128)	5.8	(0-30)	SW846 8260B
Carbon disulfide	83	(69 - 138)			SW846 8260B
	84	(69 - 138)	1.0	(0-41)	SW846 8260B
1,1-Dichloroethane	96	(88 - 127)			SW846 8260B
	91	(88 - 127)	5.6	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	95	(86 - 115)			SW846 8260B
	93	(86 - 115)	2.4	(0-30)	SW846 8260B
1,1,1-Trichloroethane	89	(71 - 162)			SW846 8260B
	90	(71 - 162)	0.22	(0-30)	SW846 8260B
Bromodichloromethane	103	(80 - 146)			SW846 8260B
	102	(80 - 146)	1.4	(0-30)	SW846 8260B
1,2-Dichloropropane	95	(87 - 114)			SW846 8260B
	91	(87 - 114)	3.8	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	80 a	(82 - 130)			SW846 8260B
	78 a	(82 - 130)	3.1	(0-30)	SW846 8260B
Dibromochloromethane	90	(71 - 158)			SW846 8260B
	90	(71 - 158)	0.92	(0-30)	SW846 8260B
1,1,2-Trichloroethane	101	(86 - 129)			SW846 8260B
	94	(86 - 129)	6.8	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	81	(73 - 147)			SW846 8260B
	81	(73 - 147)	0.87	(0-30)	SW846 8260B
Bromoform	79	(58 - 176)			SW846 8260B
	81	(58 - 176)	3.2	(0-30)	SW846 8260B
4-Methyl-2-pentanone	72 a	(82 - 135)			SW846 8260B
	72 a	(82 - 135)	0.26	(0-30)	SW846 8260B
2-Hexanone	60 a	(81 - 128)			SW846 8260B
	63 a	(81 - 128)	3.5	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	95	(88 - 116)			SW846 8260B
	94	(88 - 116)	0.32	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Toluene	**101**	**(70 - 119)**			**SW846 8260B**
	98	**(70 - 119)**	**2.7**	**(0-20)**	**SW846 8260B**
Ethylbenzene	98	(86 - 132)			SW846 8260B
	95	(86 - 132)	3.7	(0-30)	SW846 8260B
Styrene	90	(83 - 120)			SW846 8260B
	85	(83 - 120)	6.3	(0-30)	SW846 8260B
Xylenes (total)	90	(89 - 121)			SW846 8260B
	86 a	(89 - 121)	5.2	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	91	(87 - 114)			SW846 8260B
	91	(87 - 114)	0.40	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	100	(85 - 116)			SW846 8260B
	95	(85 - 116)	5.1	(0-30)	SW846 8260B
Dichlorodifluoromethane	69 a	(70 - 130)			SW846 8260B
	71	(70 - 130)	3.6	(0-30)	SW846 8260B
Trichlorofluoromethane	106	(70 - 130)			SW846 8260B
	111	(70 - 130)	4.8	(0-30)	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	88	(70 - 130)			SW846 8260B
	88	(70 - 130)	0.40	(0-30)	SW846 8260B
Methyl acetate	77	(70 - 130)			SW846 8260B
	77	(70 - 130)	0.22	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	75	(70 - 130)			SW846 8260B
	77	(70 - 130)	1.6	(0-30)	SW846 8260B
Cyclohexane	57 a	(70 - 130)			SW846 8260B
	62 a	(70 - 130)	9.4	(0-30)	SW846 8260B
Methylcyclohexane	62 a	(70 - 130)			SW846 8260B
	70	(70 - 130)	11	(0-30)	SW846 8260B
1,2-Dibromoethane	100	(70 - 130)			SW846 8260B
	100	(70 - 130)	0.29	(0-30)	SW846 8260B
Isopropylbenzene	93	(70 - 130)			SW846 8260B
	91	(70 - 130)	2.9	(0-30)	SW846 8260B
1,3-Dichlorobenzene	98	(70 - 130)			SW846 8260B
	93	(70 - 130)	5.2	(0-30)	SW846 8260B
1,4-Dichlorobenzene	94	(70 - 130)			SW846 8260B
	91	(70 - 130)	3.1	(0-30)	SW846 8260B
1,2-Dichlorobenzene	96	(70 - 130)			SW846 8260B
	95	(70 - 130)	0.90	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,2-Dibromo-3-chloro-propane	68 a	(70 - 130)			SW846 8260B
	73	(70 - 130)	7.5	(0-30)	SW846 8260B
1,2,4-Trichloro-benzene	70	(70 - 130)			SW846 8260B
	68 a	(70 - 130)	2.3	(0-30)	SW846 8260B
Methyl tert-butyl ether (MTBE)	75	(70 - 130)			SW846 8260B
	77	(70 - 130)	1.6	(0-30)	SW846 8260B
n-Hexane	60 a	(70 - 130)			SW846 8260B
	76	(70 - 130)	24	(0-30)	SW846 8260B
o-Xylene	91	(70 - 130)			SW846 8260B
	86	(70 - 130)	5.4	(0-30)	SW846 8260B
m-Xylene & p-Xylene	90	(70 - 130)			SW846 8260B
	85	(70 - 130)	5.2	(0-30)	SW846 8260B
2-Chloroethyl vinyl ether	0.0 a	(70 - 130)			SW846 8260B
	0.0 a	(70 - 130)	0.0	(0-30)	SW846 8260B
Acetonitrile	80	(50 - 130)			SW846 8260B
	82	(50 - 130)	2.5	(0-30)	SW846 8260B
Acrolein	89	(50 - 130)			SW846 8260B
	88	(50 - 130)	1.1	(0-30)	SW846 8260B
Acrylonitrile	85	(50 - 130)			SW846 8260B
	86	(50 - 130)	0.64	(0-30)	SW846 8260B
Vinyl acetate	142 a	(70 - 130)			SW846 8260B
	137 a	(70 - 130)	3.0	(0-30)	SW846 8260B
Bromobenzene	104	(70 - 130)			SW846 8260B
	100	(70 - 130)	3.8	(0-30)	SW846 8260B
Bromochloromethane	115	(70 - 130)			SW846 8260B
	113	(70 - 130)	2.3	(0-30)	SW846 8260B
n-Butylbenzene	73	(70 - 130)			SW846 8260B
	73	(70 - 130)	0.73	(0-30)	SW846 8260B
sec-Butylbenzene	79	(70 - 130)			SW846 8260B
	77	(70 - 130)	2.7	(0-30)	SW846 8260B
tert-Butylbenzene	94	(70 - 130)			SW846 8260B
	82	(70 - 130)	13	(0-30)	SW846 8260B
2-Chlorotoluene	98	(70 - 130)			SW846 8260B
	100	(70 - 130)	2.8	(0-30)	SW846 8260B
4-Chlorotoluene	91	(70 - 130)			SW846 8260B
	87	(70 - 130)	4.2	(0-30)	SW846 8260B
Dibromomethane	104	(70 - 130)			SW846 8260B
	107	(70 - 130)	3.1	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,3-Dichloropropane	96	(70 - 130)			SW846 8260B
	94	(70 - 130)	2.8	(0-30)	SW846 8260B
2,2-Dichloropropane	100	(70 - 130)			SW846 8260B
	98	(70 - 130)	1.8	(0-30)	SW846 8260B
1,1-Dichloropropene	95	(70 - 130)			SW846 8260B
	98	(70 - 130)	3.1	(0-30)	SW846 8260B
Hexachlorobutadiene	70	(70 - 130)			SW846 8260B
	71	(70 - 130)	1.9	(0-30)	SW846 8260B
Iodomethane	104	(70 - 130)			SW846 8260B
	103	(70 - 130)	0.80	(0-30)	SW846 8260B
p-Isopropyltoluene	86	(70 - 130)			SW846 8260B
	84	(70 - 130)	1.8	(0-30)	SW846 8260B
Naphthalene	66 a	(70 - 130)			SW846 8260B
	68 a	(70 - 130)	2.5	(0-30)	SW846 8260B
n-Propylbenzene	82	(70 - 130)			SW846 8260B
	81	(70 - 130)	1.2	(0-30)	SW846 8260B
1,1,1,2-Tetrachloroethane	103	(70 - 130)			SW846 8260B
	95	(70 - 130)	7.6	(0-30)	SW846 8260B
1,2,3-Trichlorobenzene	69 a	(70 - 130)			SW846 8260B
	69 a	(70 - 130)	0.13	(0-30)	SW846 8260B
1,2,3-Trichloropropane	97	(70 - 130)			SW846 8260B
	96	(70 - 130)	1.0	(0-30)	SW846 8260B
1,2,4-Trimethylbenzene	87	(70 - 130)			SW846 8260B
	85	(70 - 130)	1.8	(0-30)	SW846 8260B
1,3,5-Trimethylbenzene	87	(70 - 130)			SW846 8260B
	83	(70 - 130)	3.6	(0-30)	SW846 8260B
1,1-Dichloroethylene	**93**	**(62 - 130)**			**SW846 8260B**
	97	**(62 - 130)**	**3.6**	**(0-20)**	**SW846 8260B**
Vinyl chloride	85 a	(88 - 126)			SW846 8260B
	91	(88 - 126)	7.0	(0-30)	SW846 8260B
Chloroform	107	(83 - 141)			SW846 8260B
	101	(83 - 141)	5.8	(0-30)	SW846 8260B
1,2-Dichloroethane	113	(71 - 160)			SW846 8260B
	111	(71 - 160)	1.7	(0-30)	SW846 8260B
2-Butanone (MEK)	72	(71 - 123)			SW846 8260B
	72	(71 - 123)	0.83	(0-30)	SW846 8260B
Carbon tetrachloride	95	(63 - 176)			SW846 8260B
	96	(63 - 176)	0.75	(0-30)	SW846 8260B
Trichloroethylene	**108**	**(62 - 130)**			**SW846 8260B**
	104	**(62 - 130)**	**4.0**	**(0-20)**	**SW846 8260B**
Benzene	**106**	**(78 - 118)**			**SW846 8260B**
	118	**(78 - 118)**	**4.1**	**(0-20)**	**SW846 8260B**

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Tetrachloroethylene	100	(85 - 121)			SW846 8260B
	97	(85 - 121)	3.0	(0-30)	SW846 8260B
Chlorobenzene	**105**	**(76 - 117)**			**SW846 8260B**
	102	**(76 - 117)**	**2.9**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
	113	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	107	(61 - 128)
Toluene-d8	103	(76 - 110)
	108	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	109	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD
Date Sampled...: 05/24/07 08:30 **Date Received..:** 05/25/07
Prep Date.....: 06/01/07 **Analysis Date..:** 06/01/07
Prep Batch #...: 7155443
Dilution Factor: 1 **Initial Wgt/Vol:** 5 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Chloromethane	ND	20	15	ug/L	74		SW846 8260B
	ND	20	15	ug/L	75	1.0	SW846 8260B
Bromomethane	ND	20	21	ug/L	105		SW846 8260B
	ND	20	21	ug/L	105	0.34	SW846 8260B
Chloroethane	ND	20	18	ug/L	91		SW846 8260B
	ND	20	19	ug/L	94	3.2	SW846 8260B
Methylene chloride	ND	20	20	ug/L	101		SW846 8260B
	ND	20	21	ug/L	103	1.5	SW846 8260B
Acetone	ND	20	14	ug/L	68		SW846 8260B
	ND	20	13	ug/L	64	5.8	SW846 8260B
Carbon disulfide	ND	20	17	ug/L	83		SW846 8260B
	ND	20	17	ug/L	84	1.0	SW846 8260B
1,1-Dichloroethane	ND	20	19	ug/L	96		SW846 8260B
	ND	20	18	ug/L	91	5.6	SW846 8260B
1,2-Dichloroethene (total)	1.8	40	40	ug/L	95		SW846 8260B
	1.8	40	39	ug/L	93	2.4	SW846 8260B
1,1,1-Trichloroethane	ND	20	18	ug/L	89		SW846 8260B
	ND	20	18	ug/L	90	0.22	SW846 8260B
Bromodichloromethane	ND	20	21	ug/L	103		SW846 8260B
	ND	20	20	ug/L	102	1.4	SW846 8260B
1,2-Dichloropropane	0.17	20	19	ug/L	95		SW846 8260B
	0.17	20	18	ug/L	91	3.8	SW846 8260B
cis-1,3-Dichloropropene	ND	20	16	ug/L	80 a		SW846 8260B
	ND	20	16	ug/L	78 a	3.1	SW846 8260B
Dibromochloromethane	ND	20	18	ug/L	90		SW846 8260B
	ND	20	18	ug/L	90	0.92	SW846 8260B
1,1,2-Trichloroethane	ND	20	20	ug/L	101		SW846 8260B
	ND	20	19	ug/L	94	6.8	SW846 8260B
trans-1,3-Dichloropropene	ND	20	16	ug/L	81		SW846 8260B
	ND	20	16	ug/L	81	0.87	SW846 8260B
Bromoform	ND	20	16	ug/L	79		SW846 8260B
	ND	20	16	ug/L	81	3.2	SW846 8260B
4-Methyl-2-pentanone	ND	20	14	ug/L	72 a		SW846 8260B
	ND	20	14	ug/L	72 a	0.26	SW846 8260B
2-Hexanone	ND	20	12	ug/L	60 a		SW846 8260B
	ND	20	13	ug/L	63 a	3.5	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	20	19	ug/L	95		SW846 8260B
	ND	20	19	ug/L	94	0.32	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Toluene	**ND**	**20**	**20**	**ug/L**	**101**		**SW846 8260B**
	ND	**20**	**20**	**ug/L**	**98**	**2.7**	**SW846 8260B**
Ethylbenzene	0.22	20	20	ug/L	98		SW846 8260B
	0.22	20	19	ug/L	95	3.7	SW846 8260B
Styrene	ND	20	18	ug/L	90		SW846 8260B
	ND	20	17	ug/L	85	6.3	SW846 8260B
Xylenes (total)	ND	60	54	ug/L	90		SW846 8260B
	ND	60	51	ug/L	86 a	5.2	SW846 8260B
cis-1,2-Dichloroethene	1.5	20	20	ug/L	91		SW846 8260B
	1.5	20	20	ug/L	91	0.40	SW846 8260B
trans-1,2-Dichloroethene	0.29	20	20	ug/L	100		SW846 8260B
	0.29	20	19	ug/L	95	5.1	SW846 8260B
Dichlorodifluoromethane	ND	20	14	ug/L	69 a		SW846 8260B
	ND	20	14	ug/L	71	3.6	SW846 8260B
Trichlorofluoromethane	ND	20	21	ug/L	106		SW846 8260B
	ND	20	22	ug/L	111	4.8	SW846 8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	20	18	ug/L	88		SW846 8260B
	ND	20	18	ug/L	88	0.40	SW846 8260B
Methyl acetate	ND	20	15	ug/L	77		SW846 8260B
	ND	20	15	ug/L	77	0.22	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	20	15	ug/L	75		SW846 8260B
	ND	20	15	ug/L	77	1.6	SW846 8260B
Cyclohexane	ND	20	11	ug/L	57 a		SW846 8260B
	ND	20	12	ug/L	62 a	9.4	SW846 8260B
Methylcyclohexane	ND	20	12	ug/L	62 a		SW846 8260B
	ND	20	14	ug/L	70	11	SW846 8260B
1,2-Dibromoethane	ND	20	20	ug/L	100		SW846 8260B
	ND	20	20	ug/L	100	0.29	SW846 8260B
Isopropylbenzene	ND	20	19	ug/L	93		SW846 8260B
	ND	20	18	ug/L	91	2.9	SW846 8260B
1,3-Dichlorobenzene	ND	20	20	ug/L	98		SW846 8260B
	ND	20	19	ug/L	93	5.2	SW846 8260B
1,4-Dichlorobenzene	ND	20	19	ug/L	94		SW846 8260B
	ND	20	18	ug/L	91	3.1	SW846 8260B
1,2-Dichlorobenzene	ND	20	19	ug/L	96		SW846 8260B
	ND	20	19	ug/L	95	0.90	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,2-Dibromo-3-chloro-propane	ND	20	14	ug/L	68 a		SW846 8260B
	ND	20	15	ug/L	73	7.5	SW846 8260B
1,2,4-Trichloro-benzene	ND	20	14	ug/L	70		SW846 8260B
	ND	20	14	ug/L	68 a	2.3	SW846 8260B
Methyl tert-butyl ether (MTBE)	ND	20	15	ug/L	75		SW846 8260B
	ND	20	15	ug/L	77	1.6	SW846 8260B
n-Hexane	ND	20	12	ug/L	60 a		SW846 8260B
	ND	20	15	ug/L	76	24	SW846 8260B
o-Xylene	ND	20	18	ug/L	91		SW846 8260B
	ND	20	17	ug/L	86	5.4	SW846 8260B
m-Xylene & p-Xylene	ND	40	36	ug/L	90		SW846 8260B
	ND	40	34	ug/L	85	5.2	SW846 8260B
2-Chloroethyl vinyl ether	ND	20	0.0	ug/L	0.0 a		SW846 8260B
	ND	20	0.0	ug/L	0.0 a	0.0	SW846 8260B
Acetonitrile	ND	200	160	ug/L	80		SW846 8260B
	ND	200	160	ug/L	82	2.5	SW846 8260B
Acrolein	ND	200	180	ug/L	89		SW846 8260B
	ND	200	180	ug/L	88	1.1	SW846 8260B
Acrylonitrile	ND	200	170	ug/L	85		SW846 8260B
	ND	200	170	ug/L	86	0.64	SW846 8260B
Vinyl acetate	ND	20	28	ug/L	142 a		SW846 8260B
	ND	20	27	ug/L	137 a	3.0	SW846 8260B
Bromobenzene	ND	20	21	ug/L	104		SW846 8260B
	ND	20	20	ug/L	100	3.8	SW846 8260B
Bromochloromethane	ND	20	23	ug/L	115		SW846 8260B
	ND	20	23	ug/L	113	2.3	SW846 8260B
n-Butylbenzene	ND	20	15	ug/L	73		SW846 8260B
	ND	20	15	ug/L	73	0.73	SW846 8260B
sec-Butylbenzene	ND	20	16	ug/L	79		SW846 8260B
	ND	20	15	ug/L	77	2.7	SW846 8260B
tert-Butylbenzene	ND	20	19	ug/L	94		SW846 8260B
	ND	20	16	ug/L	82	13	SW846 8260B
2-Chlorotoluene	ND	20	20	ug/L	98		SW846 8260B
	ND	20	20	ug/L	100	2.8	SW846 8260B
4-Chlorotoluene	ND	20	18	ug/L	91		SW846 8260B
	ND	20	17	ug/L	87	4.2	SW846 8260B
Dibromomethane	ND	20	21	ug/L	104		SW846 8260B
	ND	20	21	ug/L	107	3.1	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,3-Dichloropropane	ND	20	19	ug/L	96		SW846 8260B
	ND	20	19	ug/L	94	2.8	SW846 8260B
2,2-Dichloropropane	ND	20	20	ug/L	100		SW846 8260B
	ND	20	20	ug/L	98	1.8	SW846 8260B
1,1-Dichloropropene	ND	20	19	ug/L	95		SW846 8260B
	ND	20	20	ug/L	98	3.1	SW846 8260B
Hexachlorobutadiene	ND	20	14	ug/L	70		SW846 8260B
	ND	20	14	ug/L	71	1.9	SW846 8260B
Iodomethane	ND	20	21	ug/L	104		SW846 8260B
	ND	20	21	ug/L	103	0.80	SW846 8260B
p-Isopropyltoluene	ND	20	17	ug/L	86		SW846 8260B
	ND	20	17	ug/L	84	1.8	SW846 8260B
Naphthalene	0.85	20	14	ug/L	66 a		SW846 8260B
	0.85	20	14	ug/L	68 a	2.5	SW846 8260B
n-Propylbenzene	ND	20	16	ug/L	82		SW846 8260B
	ND	20	16	ug/L	81	1.2	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	20	21	ug/L	103		SW846 8260B
	ND	20	19	ug/L	95	7.6	SW846 8260B
1,2,3-Trichlorobenzene	ND	20	14	ug/L	69 a		SW846 8260B
	ND	20	14	ug/L	69 a	0.13	SW846 8260B
1,2,3-Trichloropropane	ND	20	19	ug/L	97		SW846 8260B
	ND	20	19	ug/L	96	1.0	SW846 8260B
1,2,4-Trimethylbenzene	ND	20	17	ug/L	87		SW846 8260B
	ND	20	17	ug/L	85	1.8	SW846 8260B
1,3,5-Trimethylbenzene	ND	20	17	ug/L	87		SW846 8260B
	ND	20	17	ug/L	83	3.6	SW846 8260B
1,1-Dichloroethylene	**5.4**	**20**	**24**	**ug/L**	**93**		**SW846 8260B**
	5.4	**20**	**25**	**ug/L**	**97**	**3.6**	**SW846 8260B**
Vinyl chloride	0.31	20	17	ug/L	85 a		SW846 8260B
	0.31	20	18	ug/L	91	7.0	SW846 8260B
Chloroform	ND	20	21	ug/L	107		SW846 8260B
	ND	20	20	ug/L	101	5.8	SW846 8260B
1,2-Dichloroethane	ND	20	23	ug/L	113		SW846 8260B
	ND	20	22	ug/L	111	1.7	SW846 8260B
2-Butanone (MEK)	ND	20	14	ug/L	72		SW846 8260B
	ND	20	14	ug/L	72	0.83	SW846 8260B
Carbon tetrachloride	ND	20	19	ug/L	95		SW846 8260B
	ND	20	19	ug/L	96	0.75	SW846 8260B
Trichloroethylene	**ND**	**20**	**22**	**ug/L**	**108**		**SW846 8260B**
	ND	**20**	**21**	**ug/L**	**104**	**4.0**	**SW846 8260B**
Benzene	**39**	**20**	**60**	**ug/L**	**106**		**SW846 8260B**
	39	**20**	**62**	**ug/L**	**118**	**4.1**	**SW846 8260B**

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXQ111AC-MS **Matrix.....:** WATER
MS Lot-Sample #: A7E250253-015 JXQ111AD-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Tetrachloroethylene	ND	20	20	ug/L	100		SW846 8260B
	ND	20	19	ug/L	97	3.0	SW846 8260B
Chlorobenzene	**ND**	**20**	**21**	**ug/L**	**105**		**SW846 8260B**
	ND	**20**	**20**	**ug/L**	**102**	**2.9**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(73 - 122)
	113	(73 - 122)
1,2-Dichloroethane-d4	103	(61 - 128)
	107	(61 - 128)
Toluene-d8	103	(76 - 110)
	108	(76 - 110)
4-Bromofluorobenzene	106	(74 - 116)
	109	(74 - 116)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXXGX1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: A7E300135-018 JXXGX1AG-MSD
Date Sampled...: 05/29/07 14:28 **Date Received..:** 05/30/07
Leach Date.....: 06/04/07 **Prep Date.....:** 06/05/07 **Analysis Date..:** 06/05/07
Leach Batch #..: P715501 **Prep Batch #...:** 7156423
Dilution Factor: 1 **Initial Wgt/Vol:** 0.1 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	**101**	**(76 - 117)**			**SW846 8260B**
	101	**(76 - 117)**	**0.18**	**(0-30)**	**SW846 8260B**
2-Butanone (MEK)	114 a	(37 - 110)			SW846 8260B
	113 a	(37 - 110)	0.74	(0-30)	SW846 8260B
Carbon tetrachloride	77	(72 - 124)			SW846 8260B
	87	(72 - 124)	12	(0-30)	SW846 8260B
Chlorobenzene	**99**	**(72 - 114)**			**SW846 8260B**
	100	**(72 - 114)**	**0.45**	**(0-30)**	**SW846 8260B**
Chloromethane	86	(39 - 126)			SW846 8260B
	87	(39 - 126)	0.75	(0-30)	SW846 8260B
Chloroform	106	(82 - 117)			SW846 8260B
	108	(82 - 117)	1.5	(0-30)	SW846 8260B
Bromomethane	77	(56 - 144)			SW846 8260B
	78	(56 - 144)	0.28	(0-30)	SW846 8260B
1,2-Dichloroethane	102	(80 - 120)			SW846 8260B
	102	(80 - 120)	0.29	(0-30)	SW846 8260B
1,1-Dichloroethylene	**98**	**(67 - 129)**			**SW846 8260B**
	99	**(67 - 129)**	**1.0**	**(0-30)**	**SW846 8260B**
Tetrachloroethylene	110	(60 - 119)			SW846 8260B
	110	(60 - 119)	0.50	(0-30)	SW846 8260B
Chloroethane	88	(54 - 129)			SW846 8260B
	87	(54 - 129)	0.49	(0-30)	SW846 8260B
Trichloroethylene	**102**	**(72 - 121)**			**SW846 8260B**
	102	**(72 - 121)**	**0.32**	**(0-30)**	**SW846 8260B**
Vinyl chloride	82	(54 - 118)			SW846 8260B
	83	(54 - 118)	0.93	(0-30)	SW846 8260B
Methylene chloride	114	(70 - 124)			SW846 8260B
	112	(70 - 124)	1.6	(0-30)	SW846 8260B
Acetone	72	(22 - 110)			SW846 8260B
	73	(22 - 110)	1.9	(0-30)	SW846 8260B
Carbon disulfide	94	(59 - 126)			SW846 8260B
	96	(59 - 126)	2.2	(0-24)	SW846 8260B
1,1-Dichloroethane	105	(78 - 119)			SW846 8260B
	104	(78 - 119)	0.65	(0-30)	SW846 8260B
1,2-Dichloroethene (total)	101	(80 - 117)			SW846 8260B
	102	(80 - 117)	1.4	(0-30)	SW846 8260B
1,1,1-Trichloroethane	89	(74 - 123)			SW846 8260B
	94	(74 - 123)	6.4	(0-30)	SW846 8260B

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXXGX1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: A7E300135-018 JXXGX1AG-MSD

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Bromodichloromethane	95	(80 - 123)			SW846 8260B
	96	(80 - 123)	2.0	(0-30)	SW846 8260B
1,2-Dichloropropane	95	(79 - 118)			SW846 8260B
	94	(79 - 118)	0.51	(0-30)	SW846 8260B
cis-1,3-Dichloropropene	70 a	(77 - 121)			SW846 8260B
	77	(77 - 121)	9.2	(0-30)	SW846 8260B
Dibromochloromethane	75 a	(79 - 118)			SW846 8260B
	78 a	(79 - 118)	2.8	(0-30)	SW846 8260B
1,1,2-Trichloroethane	101	(83 - 110)			SW846 8260B
	99	(83 - 110)	1.7	(0-30)	SW846 8260B
trans-1,3-Dichloropropene	61 a	(74 - 110)			SW846 8260B
	68 a	(74 - 110)	10	(0-30)	SW846 8260B
Bromoform	58 a	(69 - 129)			SW846 8260B
	60 a	(69 - 129)	4.3	(0-30)	SW846 8260B
4-Methyl-2-pentanone	98	(57 - 123)			SW846 8260B
	101	(57 - 123)	2.3	(0-30)	SW846 8260B
2-Hexanone	96	(40 - 110)			SW846 8260B
	98	(40 - 110)	2.1	(0-30)	SW846 8260B
1,1,2,2-Tetrachloroethane	89	(76 - 125)			SW846 8260B
	93	(76 - 125)	4.8	(0-30)	SW846 8260B
Toluene	**102**	**(67 - 113)**			**SW846 8260B**
	102	**(67 - 113)**	**0.53**	**(0-30)**	**SW846 8260B**
Ethylbenzene	101	(64 - 120)			SW846 8260B
	101	(64 - 120)	0.03	(0-30)	SW846 8260B
Styrene	102	(66 - 122)			SW846 8260B
	103	(66 - 122)	0.07	(0-30)	SW846 8260B
Xylenes (total)	104	(62 - 122)			SW846 8260B
	104	(62 - 122)	0.26	(0-30)	SW846 8260B
cis-1,2-Dichloroethene	96	(82 - 116)			SW846 8260B
	98	(82 - 116)	2.0	(0-30)	SW846 8260B
trans-1,2-Dichloroethene	105	(75 - 120)			SW846 8260B
	106	(75 - 120)	0.86	(0-30)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(86 - 125)
	96	(86 - 125)
1,2-Dichloroethane-d4	90	(80 - 122)
	90	(80 - 122)
Toluene-d8	98	(90 - 122)
	96	(90 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXXGX1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: A7E300135-018 JXXGX1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	105	(84 - 125)
	106	(84 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXXGX1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: A7E300135-018 JXXGX1AG-MSD
Date Sampled...: 05/29/07 14:28 **Date Received..:** 05/30/07
Leach Date.....: 06/04/07 **Prep Date.....:** 06/05/07 **Analysis Date..:** 06/05/07
Leach Batch #..: P715501 **Prep Batch #...:** 7156423
Dilution Factor: 1 **Initial Wgt/Vol:** 0.1 mL **Final Wgt/Vol..:** 5 mL

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Benzene	**ND**	**1.0**	**1.0**	**mg/L**	**101**		**SW846 8260B**
	ND	**1.0**	**1.0**	**mg/L**	**101**	**0.18**	**SW846 8260B**
2-Butanone (MEK)	ND	1.0	1.1	mg/L	114 a		SW846 8260B
	ND	1.0	1.1	mg/L	113 a	0.74	SW846 8260B
Carbon tetrachloride	ND	1.0	0.77	mg/L	77		SW846 8260B
	ND	1.0	0.87	mg/L	87	12	SW846 8260B
Chlorobenzene	**ND**	**1.0**	**0.99**	**mg/L**	**99**		**SW846 8260B**
	ND	**1.0**	**1.0**	**mg/L**	**100**	**0.45**	**SW846 8260B**
Chloromethane	ND	1.0	0.86	mg/L	86		SW846 8260B
	ND	1.0	0.87	mg/L	87	0.75	SW846 8260B
Chloroform	ND	1.0	1.1	mg/L	106		SW846 8260B
	ND	1.0	1.1	mg/L	108	1.5	SW846 8260B
Bromomethane	ND	1.0	0.77	mg/L	77		SW846 8260B
	ND	1.0	0.78	mg/L	78	0.28	SW846 8260B
1,2-Dichloroethane	ND	1.0	1.0	mg/L	102		SW846 8260B
	ND	1.0	1.0	mg/L	102	0.29	SW846 8260B
1,1-Dichloroethylene	**ND**	**1.0**	**0.98**	**mg/L**	**98**		**SW846 8260B**
	ND	**1.0**	**0.99**	**mg/L**	**99**	**1.0**	**SW846 8260B**
Tetrachloroethylene	ND	1.0	1.1	mg/L	110		SW846 8260B
	ND	1.0	1.1	mg/L	110	0.50	SW846 8260B
Chloroethane	ND	1.0	0.88	mg/L	88		SW846 8260B
	ND	1.0	0.87	mg/L	87	0.49	SW846 8260B
Trichloroethylene	**ND**	**1.0**	**1.0**	**mg/L**	**102**		**SW846 8260B**
	ND	**1.0**	**1.0**	**mg/L**	**102**	**0.32**	**SW846 8260B**
Vinyl chloride	ND	1.0	0.82	mg/L	82		SW846 8260B
	ND	1.0	0.83	mg/L	83	0.93	SW846 8260B
Methylene chloride	0.15	1.0	1.3	mg/L	114		SW846 8260B
	0.15	1.0	1.3	mg/L	112	1.6	SW846 8260B
Acetone	0.060	1.0	0.78	mg/L	72		SW846 8260B
	0.060	1.0	0.79	mg/L	73	1.9	SW846 8260B
Carbon disulfide	ND	1.0	0.94	mg/L	94		SW846 8260B
	ND	1.0	0.96	mg/L	96	2.2	SW846 8260B
1,1-Dichloroethane	ND	1.0	1.0	mg/L	105		SW846 8260B
	ND	1.0	1.0	mg/L	104	0.65	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	2.0	mg/L	101		SW846 8260B
	ND	2.0	2.0	mg/L	102	1.4	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	0.89	mg/L	89		SW846 8260B
	ND	1.0	0.94	mg/L	94	6.4	SW846 8260B

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MATRIX SPIKE SAMPLE DATA REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXXGX1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: A7E300135-018 JXXGX1AG-MSD

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Bromodichloromethane	ND	1.0	0.95	mg/L	95		SW846 8260B
	ND	1.0	0.96	mg/L	96	2.0	SW846 8260B
1,2-Dichloropropane	ND	1.0	0.95	mg/L	95		SW846 8260B
	ND	1.0	0.94	mg/L	94	0.51	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	0.70	mg/L	70 a		SW846 8260B
	ND	1.0	0.77	mg/L	77	9.2	SW846 8260B
Dibromochloromethane	ND	1.0	0.75	mg/L	75 a		SW846 8260B
	ND	1.0	0.78	mg/L	78 a	2.8	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	1.0	mg/L	101		SW846 8260B
	ND	1.0	0.99	mg/L	99	1.7	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	0.61	mg/L	61 a		SW846 8260B
	ND	1.0	0.68	mg/L	68 a	10	SW846 8260B
Bromoform	ND	1.0	0.58	mg/L	58 a		SW846 8260B
	ND	1.0	0.60	mg/L	60 a	4.3	SW846 8260B
4-Methyl-2-pentanone	ND	1.0	0.98	mg/L	98		SW846 8260B
	ND	1.0	1.0	mg/L	101	2.3	SW846 8260B
2-Hexanone	ND	1.0	0.96	mg/L	96		SW846 8260B
	ND	1.0	0.98	mg/L	98	2.1	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	0.89	mg/L	89		SW846 8260B
	ND	1.0	0.93	mg/L	93	4.8	SW846 8260B
Toluene	**ND**	**1.0**	**1.0**	**mg/L**	**102**		**SW846 8260B**
	ND	**1.0**	**1.0**	**mg/L**	**102**	**0.53**	**SW846 8260B**
Ethylbenzene	ND	1.0	1.0	mg/L	101		SW846 8260B
	ND	1.0	1.0	mg/L	101	0.03	SW846 8260B
Styrene	ND	1.0	1.0	mg/L	102		SW846 8260B
	ND	1.0	1.0	mg/L	103	0.07	SW846 8260B
Xylenes (total)	ND	3.0	3.1	mg/L	104		SW846 8260B
	ND	3.0	3.1	mg/L	104	0.26	SW846 8260B
cis-1,2-Dichloroethene	ND	1.0	0.96	mg/L	96		SW846 8260B
	ND	1.0	0.98	mg/L	98	2.0	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	1.1	mg/L	105		SW846 8260B
	ND	1.0	1.1	mg/L	106	0.86	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(86 - 125)
	96	(86 - 125)
1,2-Dichloroethane-d4	90	(80 - 122)
	90	(80 - 122)
Toluene-d8	98	(90 - 122)
	96	(90 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TCLP GC/MS Volatiles

Client Lot #...: A7E310240 **Work Order #...:** JXXGX1AF-MS **Matrix.....:** SOLID
MS Lot-Sample #: A7E300135-018 JXXGX1AG-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	105	(84 - 125)
	106	(84 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

STL

GCMS SEMIVOLATILE DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWDECONAPRIL2007

TCLP GC/MS Semivolatiles

Lot-Sample #...:	A7E310240-001	**Work Order #...:**	JX2ME1AD	**Matrix.....:**	WG
Date Sampled...:	05/31/07 11:45	**Date Received..:**	05/31/07		
Leach Date.....:	06/04/07	**Prep Date.....:**	06/05/07	**Analysis Date..:**	06/06/07
Leach Batch #..:	P715505	**Prep Batch #...:**	7156157		
Dilution Factor:	1	**Initial Wgt/Vol:**	250 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	**0.0025 J**	**0.0040**	**mg/L**
m-Cresol & p-Cresol	**0.0035 J**	**0.040**	**mg/L**
1,4-Dichlorobenzene	ND	0.0040	mg/L
2,4-Dinitrotoluene	ND	0.020	mg/L
Hexachlorobenzene	ND	0.020	mg/L
Hexachlorobutadiene	ND	0.020	mg/L
Hexachloroethane	ND	0.020	mg/L
Nitrobenzene	ND	0.0040	mg/L
Pentachlorophenol	ND	0.040	mg/L
Pyridine	ND	0.020	mg/L
2,4,5-Trichlorophenol	ND	0.020	mg/L
2,4,6-Trichlorophenol	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	72	(27 - 110)
2-Fluorobiphenyl	76	(20 - 110)
Terphenyl-d14	94	(44 - 110)
Phenol-d5	46	(10 - 110)
2-Fluorophenol	52	(10 - 110)
2,4,6-Tribromophenol	85	(28 - 110)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWPURGEAPRIL2007

TCLP GC/MS Semivolatiles

Lot-Sample #...:	A7E310240-002	**Work Order #...:**	JX2MM1AD	**Matrix.....:**	WG
Date Sampled...:	05/31/07 11:55	**Date Received..:**	05/31/07		
Leach Date.....:	06/04/07	**Prep Date.....:**	06/05/07	**Analysis Date..:**	06/06/07
Leach Batch #..:	P715505	**Prep Batch #...:**	7156157		
Dilution Factor:	1	**Initial Wgt/Vol:**	250 mL	**Final Wgt/Vol..:**	2 mL
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.0040	mg/L
m-Cresol & p-Cresol	ND	0.040	mg/L
1,4-Dichlorobenzene	ND	0.0040	mg/L
2,4-Dinitrotoluene	ND	0.020	mg/L
Hexachlorobenzene	ND	0.020	mg/L
Hexachlorobutadiene	ND	0.020	mg/L
Hexachloroethane	ND	0.020	mg/L
Nitrobenzene	ND	0.0040	mg/L
Pentachlorophenol	ND	0.040	mg/L
Pyridine	ND	0.020	mg/L
2,4,5-Trichlorophenol	ND	0.020	mg/L
2,4,6-Trichlorophenol	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	82	(27 - 110)
2-Fluorobiphenyl	74	(20 - 110)
Terphenyl-d14	96	(44 - 110)
Phenol-d5	40	(10 - 110)
2-Fluorophenol	51	(10 - 110)
2,4,6-Tribromophenol	84	(28 - 110)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

METHOD BLANK REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: A7E310240 **Work Order #...:** JX9JJ1AA **Matrix.....:** WATER
MB Lot-Sample #: A7F050000-157
Leach Date.....: 06/04/07 **Prep Date.....:** 06/05/07 **Analysis Date..:** 06/06/07
Leach Batch #..: P715505 **Prep Batch #...:** 7156157 **Final Wgt/Vol..:** 2 mL
Dilution Factor: 1 **Initial Wgt/Vol:** 250 mL

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
o-Cresol	ND	0.0040	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.040	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.0040	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.020	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.020	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.020	mg/L	SW846 8270C
Hexachloroethane	ND	0.020	mg/L	SW846 8270C
Nitrobenzene	ND	0.0040	mg/L	SW846 8270C
Pentachlorophenol	ND	0.040	mg/L	SW846 8270C
Pyridine	ND	0.020	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.020	mg/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	78	(27 - 110)
2-Fluorobiphenyl	73	(20 - 110)
Terphenyl-d14	96	(44 - 110)
Phenol-d5	40	(10 - 110)
2-Fluorophenol	54	(10 - 110)
2,4,6-Tribromophenol	86	(28 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7E310240 **Work Order #...:** JX9JJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7F050000-157 JX9JJ1AD-LCSD
Prep Date.....: 06/05/07 **Analysis Date..:** 06/06/07
Prep Batch #...: 7156157
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 250 mL

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
o-Cresol	68	(23 - 110)			SW846 8270C
	59	(23 - 110)	13	(0-30)	SW846 8270C
m-Cresol & p-Cresol	69	(28 - 110)			SW846 8270C
	62	(28 - 110)	10	(0-30)	SW846 8270C
1,4-Dichlorobenzene	81	(13 - 110)			SW846 8270C
	81	(13 - 110)	0.80	(0-30)	SW846 8270C
2,4-Dinitrotoluene	106	(45 - 119)			SW846 8270C
	96	(45 - 119)	10	(0-30)	SW846 8270C
Hexachlorobenzene	97	(46 - 112)			SW846 8270C
	92	(46 - 112)	5.7	(0-30)	SW846 8270C
Hexachlorobutadiene	66	(10 - 110)			SW846 8270C
	60	(10 - 110)	9.2	(0-30)	SW846 8270C
Hexachloroethane	59	(10 - 110)			SW846 8270C
	51	(10 - 110)	13	(0-30)	SW846 8270C
Nitrobenzene	78	(29 - 118)			SW846 8270C
	69	(29 - 118)	11	(0-30)	SW846 8270C
Pentachlorophenol	59	(10 - 116)			SW846 8270C
	84 p	(10 - 116)	35	(0-30)	SW846 8270C
Pyridine	57	(15 - 110)			SW846 8270C
	52	(15 - 110)	9.3	(0-30)	SW846 8270C
2,4,5-Trichlorophenol	85	(36 - 110)			SW846 8270C
	78	(36 - 110)	9.0	(0-30)	SW846 8270C
2,4,6-Trichlorophenol	72	(32 - 110)			SW846 8270C
	73	(32 - 110)	0.95	(0-30)	SW846 8270C
Cresols (total)	68	(28 - 110)			SW846 8270C
	61	(28 - 110)	11	(0-30)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(27 - 110)
	63	(27 - 110)
2-Fluorobiphenyl	70	(20 - 110)
	65	(20 - 110)
Terphenyl-d14	95	(44 - 110)
	86	(44 - 110)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A7E310240 **Work Order #...:** JX9JJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7F050000-157 JX9JJ1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Phenol-d5	42	(10 - 110)
	39	(10 - 110)
2-Fluorophenol	53	(10 - 110)
	49	(10 - 110)
2,4,6-Tribromophenol	83	(28 - 110)
	82	(28 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7E310240 **Work Order #...:** JX9JJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7F050000-157 JX9JJ1AD-LCSD
Prep Date.....: 06/05/07 **Analysis Date..:** 06/06/07
Prep Batch #...: 7156157
Dilution Factor: 1 **Final Wgt/Vol..:** 2 mL
Initial Wgt/Vol: 250 mL

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
o-Cresol	0.080	0.054	mg/L	68		SW846 8270C
	0.080	0.047	mg/L	59	13	SW846 8270C
m-Cresol & p-Cresol	0.16	0.11	mg/L	69		SW846 8270C
	0.16	0.099	mg/L	62	10	SW846 8270C
1,4-Dichlorobenzene	0.080	0.065	mg/L	81		SW846 8270C
	0.080	0.064	mg/L	81	0.80	SW846 8270C
2,4-Dinitrotoluene	0.080	0.085	mg/L	106		SW846 8270C
	0.080	0.077	mg/L	96	10	SW846 8270C
Hexachlorobenzene	0.080	0.078	mg/L	97		SW846 8270C
	0.080	0.073	mg/L	92	5.7	SW846 8270C
Hexachlorobutadiene	0.080	0.052	mg/L	66		SW846 8270C
	0.080	0.048	mg/L	60	9.2	SW846 8270C
Hexachloroethane	0.080	0.047	mg/L	59		SW846 8270C
	0.080	0.041	mg/L	51	13	SW846 8270C
Nitrobenzene	0.080	0.062	mg/L	78		SW846 8270C
	0.080	0.055	mg/L	69	11	SW846 8270C
Pentachlorophenol	0.080	0.047	mg/L	59		SW846 8270C
	0.080	0.067 p	mg/L	84	35	SW846 8270C
Pyridine	0.080	0.046	mg/L	57		SW846 8270C
	0.080	0.042	mg/L	52	9.3	SW846 8270C
2,4,5-Trichlorophenol	0.080	0.068	mg/L	85		SW846 8270C
	0.080	0.062	mg/L	78	9.0	SW846 8270C
2,4,6-Trichlorophenol	0.080	0.058	mg/L	72		SW846 8270C
	0.080	0.058	mg/L	73	0.95	SW846 8270C
Cresols (total)	0.24	0.16	mg/L	68		SW846 8270C
	0.24	0.15	mg/L	61	11	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	73	(27 - 110)
	63	(27 - 110)
2-Fluorobiphenyl	70	(20 - 110)
	65	(20 - 110)
Terphenyl-d14	95	(44 - 110)
	86	(44 - 110)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: A7E310240 **Work Order #...:** JX9JJ1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: A7F050000-157 JX9JJ1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Phenol-d5	42	(10 - 110)
	39	(10 - 110)
2-Fluorophenol	53	(10 - 110)
	49	(10 - 110)
2,4,6-Tribromophenol	83	(28 - 110)
	82	(28 - 110)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

SEVERN TRENT STL

METALS DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWDECONAPRIL2007

TCLP Metals

Lot-Sample #...: A7E310240-001 Matrix.....: WG
Date Sampled...: 05/31/07 11:45 Date Received..: 05/31/07
Leach Date.....: 06/04/07 Leach Batch #..: P715505

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7156059						
Arsenic	0.0091 B	0.50	mg/L	SW846 6010B	06/05/07	JX2ME1AF
		Dilution Factor: 1		Analysis Time..: 22:31	Analyst ID.....: 001637	
		Instrument ID..: I6				
Barium	0.0079 B	10.0	mg/L	SW846 6010B	06/05/07	JX2ME1AG
		Dilution Factor: 1		Analysis Time..: 22:31	Analyst ID.....: 001637	
		Instrument ID..: I6				
Cadmium	0.0010 B	0.10	mg/L	SW846 6010B	06/05/07	JX2ME1AH
		Dilution Factor: 1		Analysis Time..: 22:31	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	0.0021 B	0.50	mg/L	SW846 6010B	06/05/07	JX2ME1AJ
		Dilution Factor: 1		Analysis Time..: 22:31	Analyst ID.....: 001637	
		Instrument ID..: I6				
Lead	ND	0.50	mg/L	SW846 6010B	06/05/07	JX2ME1AK
		Dilution Factor: 1		Analysis Time..: 22:31	Analyst ID.....: 001637	
		Instrument ID..: I6				
Selenium	ND	0.25	mg/L	SW846 6010B	06/05/07	JX2ME1AL
		Dilution Factor: 1		Analysis Time..: 22:31	Analyst ID.....: 001637	
		Instrument ID..: I6				
Silver	ND	0.50	mg/L	SW846 6010B	06/05/07	JX2ME1AM
		Dilution Factor: 1		Analysis Time..: 22:31	Analyst ID.....: 001637	
		Instrument ID..: I6				
Mercury	0.00017 B	0.0020	mg/L	SW846 7470A	06/05/07	JX2ME1AN
		Dilution Factor: 1		Analysis Time..: 15:06	Analyst ID.....: 001086	
		Instrument ID..: H4				

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWPURGEAPRIL2007

TCLP Metals

Lot-Sample #...: A7E310240-002 **Matrix.....:** WG
Date Sampled...: 05/31/07 11:55 **Date Received..:** 05/31/07
Leach Date.....: 06/04/07 **Leach Batch #..:** P715505

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 7156059						
Arsenic	ND	0.50	mg/L	SW846 6010B	06/05/07	JX2MM1AF
		Dilution Factor: 1		Analysis Time..: 22:36	Analyst ID.....: 001637	
		Instrument ID..: I6				
Barium	**0.066 B**	**10.0**	**mg/L**	**SW846 6010B**	**06/05/07**	**JX2MM1AG**
		Dilution Factor: 1		Analysis Time..: 22:36	Analyst ID.....: 001637	
		Instrument ID..: I6				
Cadmium	ND	0.10	mg/L	SW846 6010B	06/05/07	JX2MM1AH
		Dilution Factor: 1		Analysis Time..: 22:36	Analyst ID.....: 001637	
		Instrument ID..: I6				
Chromium	ND	0.50	mg/L	SW846 6010B	06/05/07	JX2MM1AJ
		Dilution Factor: 1		Analysis Time..: 22:36	Analyst ID.....: 001637	
		Instrument ID..: I6				
Lead	ND	0.50	mg/L	SW846 6010B	06/05/07	JX2MM1AK
		Dilution Factor: 1		Analysis Time..: 22:36	Analyst ID.....: 001637	
		Instrument ID..: I6				
Selenium	ND	0.25	mg/L	SW846 6010B	06/05/07	JX2MM1AL
		Dilution Factor: 1		Analysis Time..: 22:36	Analyst ID.....: 001637	
		Instrument ID..: I6				
Silver	ND	0.50	mg/L	SW846 6010B	06/05/07	JX2MM1AM
		Dilution Factor: 1		Analysis Time..: 22:36	Analyst ID.....: 001637	
		Instrument ID..: I6				
Mercury	ND	0.0020	mg/L	SW846 7470A	06/05/07	JX2MM1AN
		Dilution Factor: 1		Analysis Time..: 15:07	Analyst ID.....: 001086	
		Instrument ID..: H4				

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7E310240 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7F040000-194		**Prep Batch #...:** 7156059				
Leach Date.....: 06/04/07		**Leach Batch #..:** P715505				
Arsenic	**0.0050 B**	**0.50**	**mg/L**	**SW846 6010B**	**06/05/07**	**JX7RQ1AC**
		Dilution Factor: 1				
		Analysis Time..: 22:15		Analyst ID.....: 001637	Instrument ID..: I6	
Barium	ND	10.0	mg/L	SW846 6010B	06/05/07	JX7RQ1AD
		Dilution Factor: 1				
		Analysis Time..: 22:15		Analyst ID.....: 001637	Instrument ID..: I6	
Cadmium	ND	0.10	mg/L	SW846 6010B	06/05/07	JX7RQ1AE
		Dilution Factor: 1				
		Analysis Time..: 22:15		Analyst ID.....: 001637	Instrument ID..: I6	
Chromium	ND	0.50	mg/L	SW846 6010B	06/05/07	JX7RQ1AF
		Dilution Factor: 1				
		Analysis Time..: 22:15		Analyst ID.....: 001637	Instrument ID..: I6	
Lead	ND	0.50	mg/L	SW846 6010B	06/05/07	JX7RQ1AG
		Dilution Factor: 1				
		Analysis Time..: 22:15		Analyst ID.....: 001637	Instrument ID..: I6	
Selenium	ND	0.25	mg/L	SW846 6010B	06/05/07	JX7RQ1AH
		Dilution Factor: 1				
		Analysis Time..: 22:15		Analyst ID.....: 001637	Instrument ID..: I6	
Silver	ND	0.50	mg/L	SW846 6010B	06/05/07	JX7RQ1AJ
		Dilution Factor: 1				
		Analysis Time..: 22:15		Analyst ID.....: 001637	Instrument ID..: I6	
Mercury	ND	0.0020	mg/L	SW846 7470A	06/05/07	JX7RQ1AA
		Dilution Factor: 1				
		Analysis Time..: 15:01		Analyst ID.....: 001086	Instrument ID..: H4	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: A7E310240 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: A7F050000-059 **Prep Batch #...:** 7156059						
Arsenic	ND	0.50	mg/L	SW846 6010B	06/05/07	JX9EA1AC
		Dilution Factor: 1				
		Analysis Time..: 22:20		Analyst ID.....: 001637	Instrument ID..: I6	
Barium	ND	10.0	mg/L	SW846 6010B	06/05/07	JX9EA1AD
		Dilution Factor: 1				
		Analysis Time..: 22:20		Analyst ID.....: 001637	Instrument ID..: I6	
Cadmium	ND	0.10	mg/L	SW846 6010B	06/05/07	JX9EA1AE
		Dilution Factor: 1				
		Analysis Time..: 22:20		Analyst ID.....: 001637	Instrument ID..: I6	
Chromium	ND	0.50	mg/L	SW846 6010B	06/05/07	JX9EA1AF
		Dilution Factor: 1				
		Analysis Time..: 22:20		Analyst ID.....: 001637	Instrument ID..: I6	
Lead	ND	0.50	mg/L	SW846 6010B	06/05/07	JX9EA1AG
		Dilution Factor: 1				
		Analysis Time..: 22:20		Analyst ID.....: 001637	Instrument ID..: I6	
Selenium	ND	0.25	mg/L	SW846 6010B	06/05/07	JX9EA1AH
		Dilution Factor: 1				
		Analysis Time..: 22:20		Analyst ID.....: 001637	Instrument ID..: I6	
Silver	ND	0.50	mg/L	SW846 6010B	06/05/07	JX9EA1AJ
		Dilution Factor: 1				
		Analysis Time..: 22:20		Analyst ID.....: 001637	Instrument ID..: I6	
Mercury	ND	0.0020	mg/L	SW846 7470A	06/05/07	JX9EA1AA
		Dilution Factor: 1				
		Analysis Time..: 15:02		Analyst ID.....: 001086	Instrument ID..: H4	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: A7E310240 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7F050000-059 **Prep Batch #...:** 7156059					
Arsenic	97	(50 - 150)	SW846 6010B	06/05/07	JX9EA1AL
		Dilution Factor: 1	Analysis Time..: 22:25	Analyst ID.....: 001637	
		Instrument ID..: I6			
Barium	105	(50 - 150)	SW846 6010B	06/05/07	JX9EA1AM
		Dilution Factor: 1	Analysis Time..: 22:25	Analyst ID.....: 001637	
		Instrument ID..: I6			
Cadmium	106	(50 - 150)	SW846 6010B	06/05/07	JX9EA1AN
		Dilution Factor: 1	Analysis Time..: 22:25	Analyst ID.....: 001637	
		Instrument ID..: I6			
Chromium	112	(50 - 150)	SW846 6010B	06/05/07	JX9EA1AP
		Dilution Factor: 1	Analysis Time..: 22:25	Analyst ID.....: 001637	
		Instrument ID..: I6			
Lead	102	(50 - 150)	SW846 6010B	06/05/07	JX9EA1AQ
		Dilution Factor: 1	Analysis Time..: 22:25	Analyst ID.....: 001637	
		Instrument ID..: I6			
Selenium	102	(50 - 150)	SW846 6010B	06/05/07	JX9EA1AR
		Dilution Factor: 1	Analysis Time..: 22:25	Analyst ID.....: 001637	
		Instrument ID..: I6			
Silver	116	(50 - 150)	SW846 6010B	06/05/07	JX9EA1AT
		Dilution Factor: 1	Analysis Time..: 22:25	Analyst ID.....: 001637	
		Instrument ID..: I6			
Mercury	87	(50 - 150)	SW846 7470A	06/05/07	JX9EA1AK
		Dilution Factor: 1	Analysis Time..: 15:04	Analyst ID.....: 001086	
		Instrument ID..: H4			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: A7E310240 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A7F050000-059 **Prep Batch #...:** 7156059							
Arsenic	2.0	1.9	mg/L	97	SW846 6010B	06/05/07	JX9EA1AL
			Dilution Factor: 1		Analysis Time..: 22:25	Analyst ID.....: 001637	
			Instrument ID..: I6				
Barium	2.0	2.1	mg/L	105	SW846 6010B	06/05/07	JX9EA1AM
			Dilution Factor: 1		Analysis Time..: 22:25	Analyst ID.....: 001637	
			Instrument ID..: I6				
Cadmium	0.050	0.053	mg/L	106	SW846 6010B	06/05/07	JX9EA1AN
			Dilution Factor: 1		Analysis Time..: 22:25	Analyst ID.....: 001637	
			Instrument ID..: I6				
Chromium	0.20	0.22	mg/L	112	SW846 6010B	06/05/07	JX9EA1AP
			Dilution Factor: 1		Analysis Time..: 22:25	Analyst ID.....: 001637	
			Instrument ID..: I6				
Lead	0.50	0.51	mg/L	102	SW846 6010B	06/05/07	JX9EA1AQ
			Dilution Factor: 1		Analysis Time..: 22:25	Analyst ID.....: 001637	
			Instrument ID..: I6				
Selenium	2.0	2.0	mg/L	102	SW846 6010B	06/05/07	JX9EA1AR
			Dilution Factor: 1		Analysis Time..: 22:25	Analyst ID.....: 001637	
			Instrument ID..: I6				
Silver	0.050	0.058	mg/L	116	SW846 6010B	06/05/07	JX9EA1AT
			Dilution Factor: 1		Analysis Time..: 22:25	Analyst ID.....: 001637	
			Instrument ID..: I6				
Mercury	0.0050	0.0043	mg/L	87	SW846 7470A	06/05/07	JX9EA1AK
			Dilution Factor: 1		Analysis Time..: 15:04	Analyst ID.....: 001086	
			Instrument ID..: H4				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: A7E310240 **Matrix.....:** WATER
Date Sampled...: 05/25/07 10:55 **Date Received..:** 05/26/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7E260157-005 **Prep Batch #...:** 7156059							
Leach Date.....: 06/04/07 **Leach Batch #..:** P715505							
Arsenic	104	(50 - 150)			SW846 6010B	06/05/07	JXT441AV
	106	(50 - 150)	2.6	(0-20)	SW846 6010B	06/05/07	JXT441AW
		Dilution Factor: 5					
		Analysis Time..: 22:51			Instrument ID..: I6	Analyst ID.....: 001637	
Barium	107	(50 - 150)			SW846 6010B	06/05/07	JXT441AX
	109	(50 - 150)	1.3	(0-20)	SW846 6010B	06/05/07	JXT441A0
		Dilution Factor: 5					
		Analysis Time..: 22:51			Instrument ID..: I6	Analyst ID.....: 001637	
Cadmium	112	(50 - 150)			SW846 6010B	06/05/07	JXT441A1
	114	(50 - 150)	2.1	(0-20)	SW846 6010B	06/05/07	JXT441A2
		Dilution Factor: 5					
		Analysis Time..: 22:51			Instrument ID..: I6	Analyst ID.....: 001637	
Chromium	115	(50 - 150)			SW846 6010B	06/05/07	JXT441A3
	118	(50 - 150)	2.2	(0-20)	SW846 6010B	06/05/07	JXT441A4
		Dilution Factor: 5					
		Analysis Time..: 22:51			Instrument ID..: I6	Analyst ID.....: 001637	
Lead	108	(50 - 150)			SW846 6010B	06/05/07	JXT441A5
	110	(50 - 150)	2.3	(0-20)	SW846 6010B	06/05/07	JXT441A6
		Dilution Factor: 5					
		Analysis Time..: 22:51			Instrument ID..: I6	Analyst ID.....: 001637	
Selenium	107	(50 - 150)			SW846 6010B	06/05/07	JXT441A7
	109	(50 - 150)	1.9	(0-20)	SW846 6010B	06/05/07	JXT441A8
		Dilution Factor: 5					
		Analysis Time..: 22:51			Instrument ID..: I6	Analyst ID.....: 001637	
Silver	108	(50 - 150)			SW846 6010B	06/05/07	JXT441A9
	110	(50 - 150)	1.5	(0-20)	SW846 6010B	06/05/07	JXT441CA
		Dilution Factor: 5					
		Analysis Time..: 22:51			Instrument ID..: I6	Analyst ID.....: 001637	
Mercury	78	(50 - 150)			SW846 7470A	06/05/07	JXT441AT
	78	(50 - 150)	0.0	(0-20)	SW846 7470A	06/05/07	JXT441AU
		Dilution Factor: 1					
		Analysis Time..: 15:10			Instrument ID..: H4	Analyst ID.....: 001086	

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: A7E310240 **Matrix.....:** WATER
Date Sampled...: 05/25/07 10:55 **Date Received..:** 05/26/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: A7E260157-005 **Prep Batch #...:** 7156059									
Leach Date.....: 06/04/07 **Leach Batch #..:** P715505									
Arsenic									
	ND	5.0	5.2	mg/L	104		SW846 6010B	06/05/07	JXT441AV
	ND	5.0	5.3	mg/L	106	2.6	SW846 6010B	06/05/07	JXT441AW
			Dilution Factor: 5						
			Analysis Time..: 22:51		Instrument ID..: I6			Analyst ID.....: 001637	
Barium									
	0.013	50.0	53.7	mg/L	107		SW846 6010B	06/05/07	JXT441AX
	0.013	50.0	54.4	mg/L	109	1.3	SW846 6010B	06/05/07	JXT441A0
			Dilution Factor: 5						
			Analysis Time..: 22:51		Instrument ID..: I6			Analyst ID.....: 001637	
Cadmium									
	ND	1.0	1.1	mg/L	112		SW846 6010B	06/05/07	JXT441A1
	ND	1.0	1.1	mg/L	114	2.1	SW846 6010B	06/05/07	JXT441A2
			Dilution Factor: 5						
			Analysis Time..: 22:51		Instrument ID..: I6			Analyst ID.....: 001637	
Chromium									
	ND	5.0	5.8	mg/L	115		SW846 6010B	06/05/07	JXT441A3
	ND	5.0	5.9	mg/L	118	2.2	SW846 6010B	06/05/07	JXT441A4
			Dilution Factor: 5						
			Analysis Time..: 22:51		Instrument ID..: I6			Analyst ID.....: 001637	
Lead									
	ND	5.0	5.4	mg/L	108		SW846 6010B	06/05/07	JXT441A5
	ND	5.0	5.5	mg/L	110	2.3	SW846 6010B	06/05/07	JXT441A6
			Dilution Factor: 5						
			Analysis Time..: 22:51		Instrument ID..: I6			Analyst ID.....: 001637	
Selenium									
	ND	1.0	1.1	mg/L	107		SW846 6010B	06/05/07	JXT441A7
	ND	1.0	1.1	mg/L	109	1.9	SW846 6010B	06/05/07	JXT441A8
			Dilution Factor: 5						
			Analysis Time..: 22:51		Instrument ID..: I6			Analyst ID.....: 001637	
Silver									
	ND	1.0	1.1	mg/L	108		SW846 6010B	06/05/07	JXT441A9
	ND	1.0	1.1	mg/L	110	1.5	SW846 6010B	06/05/07	JXT441CA
			Dilution Factor: 5						
			Analysis Time..: 22:51		Instrument ID..: I6			Analyst ID.....: 001637	

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TCLP Metals

Client Lot #...: A7E310240 **Matrix.....:** WATER
Date Sampled...: 05/25/07 10:55 **Date Received..:** 05/26/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Mercury									
	ND	0.0050	0.0039	mg/L	78		SW846 7470A	06/05/07	JXT441AT
	ND	0.0050	0.0039	mg/L	78	0.0	SW846 7470A	06/05/07	JXT441AU

Dilution Factor: 1
Analysis Time..: 15:10 Instrument ID..: H4 Analyst ID.....: 001086

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SEVERN TRENT STL

GENERAL CHEMISTRY DATA

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWDECONAPRIL2007

General Chemistry

Lot-Sample #...: A7E310240-001 **Work Order #...:** JX2ME **Matrix.....:** WG
Date Sampled...: 05/31/07 11:45 **Date Received..:** 05/31/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	**8.0**		**No Units**	**SW846 9040B**	**05/31/07**	**7151498**
	Dilution Factor: 1					
Flashpoint	**>180**		**deg F**	**SW846 1010**	**06/01/07**	**7152280**
	Dilution Factor: 1					
Reactive Cyanide	ND	200	mg/kg	SW846 7.3.3	06/06/07	7157123
	Dilution Factor: 1					
Reactive Sulfide	ND	500	mg/kg	SW846 7.3.4	06/06/07	7157122
	Dilution Factor: 1					

Environmental Quality Mgt., Inc.

Client Sample ID: FWG-IDW-MWPURGEAPRIL2007

General Chemistry

Lot-Sample #...: A7E310240-002 **Work Order #...:** JX2MM **Matrix.....:** WG
Date Sampled...: 05/31/07 11:55 **Date Received..:** 05/31/07

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	**8.5**		**No Units**	**SW846 9040B**	**05/31/07**	**7151498**
	Dilution Factor: 1					
Flashpoint	**>180**		**deg F**	**SW846 1010**	**06/01/07**	**7152280**
	Dilution Factor: 1					
Reactive Cyanide	ND	200	mg/kg	SW846 7.3.3	06/06/07	7157123
	Dilution Factor: 1					
Reactive Sulfide	ND	500	mg/kg	SW846 7.3.4	06/06/07	7157122
	Dilution Factor: 1					

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A7E310240 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Reactive Cyanide		Work Order #: J0C511AA		MB Lot-Sample #:	A7F060000-123	
	ND	200	mg/kg	SW846 7.3.3	06/06/07	7157123
		Dilution Factor: 1				
Reactive Sulfide		Work Order #: J0C5P1AA		MB Lot-Sample #:	A7F060000-122	
	ND	500	mg/kg	SW846 7.3.4	06/06/07	7157122
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7E310240 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)		Work Order #: JX3AR1AA	LCS Lot-Sample#: A7E310000-498		
	101	(97 - 103)	SW846 9040B	05/31/07	7151498
		Dilution Factor: 1			
Reactive Cyanide		Work Order #: J0C511AC	LCS Lot-Sample#: A7F060000-123		
	100	(10 - 200)	SW846 7.3.3	06/06/07	7157123
		Dilution Factor: 1			
Reactive Sulfide		Work Order #: J0C5P1AC	LCS Lot-Sample#: A7F060000-122		
	191	(10 - 200)	SW846 7.3.4	06/06/07	7157122
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A7E310240 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)			Work Order #: JX3AR1AA LCS Lot-Sample#: A7E310000-498				
	5.3	5.3	No Units	101	SW846 9040B	05/31/07	7151498
			Dilution Factor: 1				
Reactive Cyanide			Work Order #: J0C511AC LCS Lot-Sample#: A7F060000-123				
	100	100	mg/kg	100	SW846 7.3.3	06/06/07	7157123
			Dilution Factor: 1				
Reactive Sulfide			Work Order #: J0C5P1AC LCS Lot-Sample#: A7F060000-122				
	250	480	mg/kg	191	SW846 7.3.4	06/06/07	7157122
			Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A7E310240 **Matrix.....:** WG
Date Sampled...: 05/31/07 11:55 **Date Received..:** 05/31/07

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Reactive Cyanide		WO#: JX2MM1AX-MS/JX2MM1A0-MSD				MS Lot-Sample #: A7E310240-002	
	50	(10 - 200)			SW846 7.3.3	06/06/07	7157123
	50	(10 - 200)	0.0	(0-100)	SW846 7.3.3	06/06/07	7157123
		Dilution Factor: 1					
Reactive Sulfide		WO#: JX2MM1AV-MS/JX2MM1AW-MSD				MS Lot-Sample #: A7E310240-002	
	76	(10 - 200)			SW846 7.3.4	06/06/07	7157122
	52	(10 - 200)	35	(0-100)	SW846 7.3.4	06/06/07	7157122
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: A7E310240 **Matrix.....:** WG
Date Sampled...: 05/31/07 11:55 **Date Received..:** 05/31/07

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Reactive Cyanide			WO#: JX2MM1AX-MS/JX2MM1A0-MSD		MS Lot-Sample #: A7E310240-002				
	ND	100		mg/kg	50		SW846 7.3.3	06/06/07	7157123
	ND	100		mg/kg	50	0.0	SW846 7.3.3	06/06/07	7157123
			Dilution Factor: 1						
Reactive Sulfide			WO#: JX2MM1AV-MS/JX2MM1AW-MSD		MS Lot-Sample #: A7E310240-002				
	ND	250	200	mg/kg	76		SW846 7.3.4	06/06/07	7157122
	ND	250	140	mg/kg	52	35	SW846 7.3.4	06/06/07	7157122
			Dilution Factor: 1						

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7E310240 **Work Order #...:** JX21K-SMP **Matrix.....:** WATER
JX21K-DUP

Date Sampled...: 05/29/07 16:30 **Date Received..:** 05/31/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)						SD Lot-Sample #: A7E310281-001		
	7.2	7.3	No Units	0.83	(0-20)	SW846 9040B	05/31/07	7151498

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A7E310240 **Work Order #...:** JX2MM-SMP JX2MM-DUP **Matrix.....:** WG

Date Sampled...: 05/31/07 11:55 **Date Received..:** 05/31/07

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
						SD Lot-Sample #: A7E310240-002		
Flashpoint	>180	>180	deg F	0.0	(0-20)	SW846 1010	06/01/07	7152280

Dilution Factor: 1

END OF REPORT

APPENDIX D

TARGET COMPOUNDS THAT CURRENTLY DO NOT MEET THE RVAAP QAAP PQLS AND/OR REGION 9 PRGS

Table D-1. VOCs

CAS No	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG
107-06-2	1,2-Dichloroethane	0.16	1.0	1.0	0.12
71-43-2	Benzene	0.22	1.0	1.0	0.35
67-66-3	Chloroform	0.16	1.0	1.0	0.17
10061-01-5	cis-1,3-Dichloropropene	0.12	1.0	1.0	0.4
75-01-4	Vinyl chloride	0.21	1.0	1.0	0.02
79-34-5	1,1,2,2-Tetrachloroethane	0.22	1.0	1.0	0.055
106-93-4	1,2-Dibromoethane	0.24	1.0	1.0	0.0056
79-01-6	Trichloroethene	0.28	1.0	1.0	0.028
127-18-4	Tetrachloroethene	0.19	1.0	1.0	0.1
75-27-4	Bromodichloromethane	0.14	1.0	1.0	0.18
79-00-5	1,1,2-Trichloroethane	0.22	1.0	1.0	0.2
124-48-1	Dibromochloromethane	0.19	1.0	1.0	0.13
10061-02-6	trans-1,3-Dichloropropene	0.17	1.0	1.0	0.4
56-23-5	Carbon tetrachloride	0.19	1.0	1.0	0.17

Note: All units are ug/L

Table D-2. SVOCs

CAS No	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG
111-44-4	Bis(2-Chloroethyl) ether	0.088	1.0	10	0.01
50-32-8	Benzo(a)pyrene	0.048	0.20	10	0.0092
53-70-3	Dibenz(a,h)anthracene	0.039	0.20	10	0.0093
118-74-1	Hexachlorobenzene	0.065	0.20	10	0.042
205-99-2	Benzo(b)fluoranthene	0.049	0.20	10	0.092
193-39-5	Indeno(1,2,3-cd)pyrene	0.065	0.20	10	0.092
56-55-3	Benzo(a)anthracene	0.052	0.20	10	0.092
91-94-1	3,3'-Dichlorobenzidine	0.48	5.0	10	0.15
106-46-7	1,4-Dichlorobenzene	0.52	1.0	10	0.5
87-86-5	Pentachlorophenol	0.48	5.0	25	0.56
87-68-3	Hexachlorobutadiene	0.51	1.0	10	0.86
88-06-2	2,4,6-Trichlorophenol	1.4	5.0	10	3.6

Note: All units are ug/L

Table D-3. Pesticides

CAS No	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG
60-57-1	Dieldrin	0.0067	0.030	0.05	0.0042
309-00-2	Aldrin	0.0061	0.030	0.05	0.004
1024-57-3	Heptachlor epoxide	0.0065	0.030	0.05	0.0074
319-84-6	alpha-BHC	0.0062	0.030	0.05	0.011
76-44-8	Heptachlor	0.0062	0.030	0.05	0.015

Note: All units are ug/L

Table D-4. Explosives

CAS No	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG
88-72-2	2-Nitrotoluene	0.1	0.48	0.2	120
99-08-1	3-Nitrotoluene	0.1	0.48	0.2	0.049
99-99-0	4-Nitrotoluene	0.1	0.48	0.2	0.66

Note: All units are ug/L

Table D-5. PCBs

CAS No	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG
11104-28-2	PCB-1221	0.49	0.50	0.50	0.034
11141-16-5	PCB-1232	0.41	0.50	0.50	0.034
53469-21-9	PCB-1242	0.11	0.50	0.50	0.034
12672-29-6	PCB-1248	0.049	0.50	0.50	0.034
11097-69-1	PCB-1254	0.087	0.50	0.50	0.034
11096-82-5	PCB-1260	0.071	0.50	0.50	0.034

Note: All units are ug/L

Table E-6. Inorganics

CAS No	Analyte Name	MDL	Lab RL	RVAAP QAPP PQL	Region 9 PRG
7440-70-2	Calcium	80	1000	100	NS
7440-23-5	Sodium	410	1000	200	NS

Notes:

NS = Not Specified

These compounds will not meet the reporting limits specified in the QAPP. However, both of these chemicals have been consistently been found naturally occurring on the site at values that exceed the QAPP RLs.

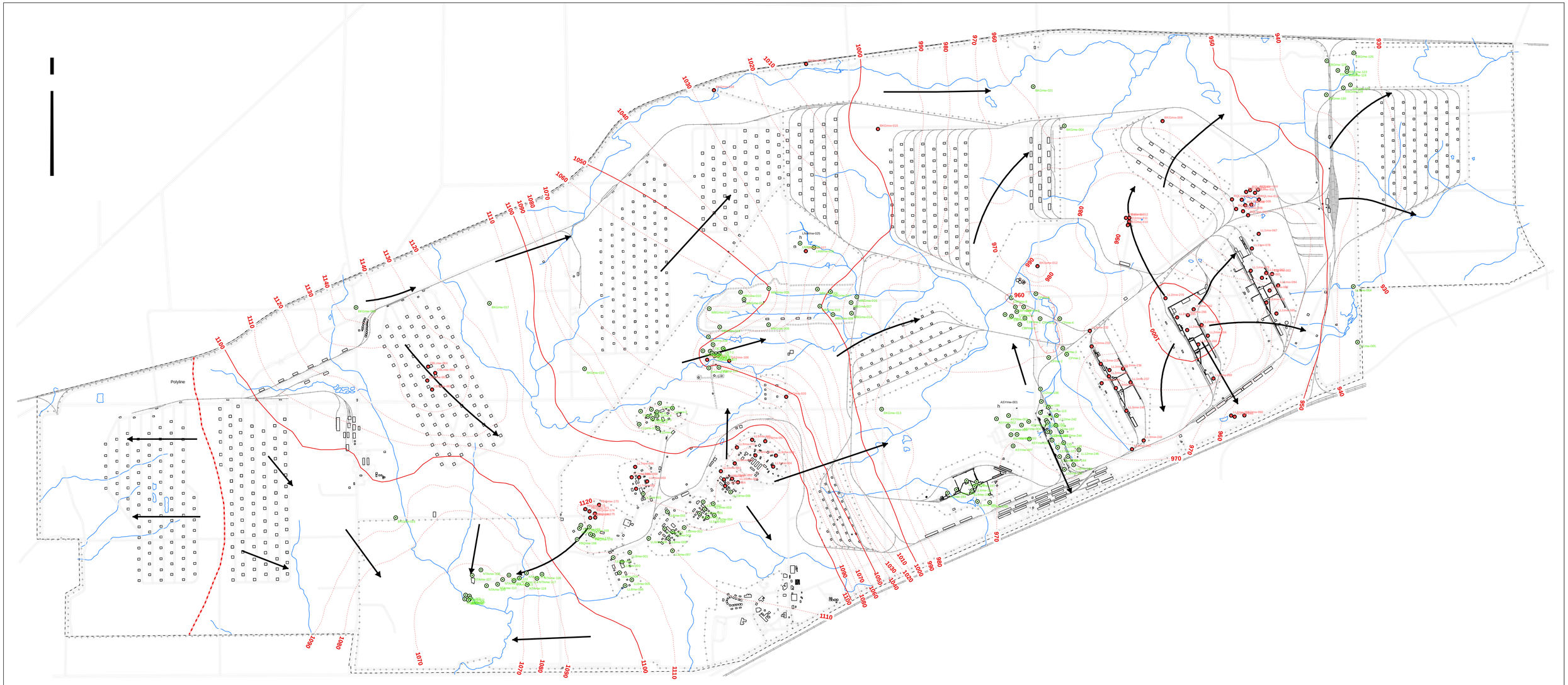

Table of April 2006 Groundwater Elevations

Well No.	April 2006 Elevations	Well No.	April 2006 Elevations	Well No.	April 2006 Elevations	Well No.	April 2006 Elevations	Well No.	April 2006 Elevations	Well No.	April 2006 Elevations
BKGmw-004	954.080	LL3mw-234	997.470	LL8mw-004	1107.540	LL12mw-242	973.740	DA2mw-104	1053.950	NTAmw-113	1069.740
BKGmw-005	1141.863	LL3mw-235	993.880	LL8mw-005	1104.600	LL12mw-243	972.390	DA2mw-105	1042.100	NTAmw-114	1073.510
BKGmw-006	1006.330	LL3mw-236	995.580	LL8mw-006	1099.420	LL12mw-244	972.040	DA2mw-106	1040.140	NTAmw-115	1076.610
BKGmw-008	957.367	LL3mw-237	992.070	LL9mw-001	1120.250	LL12mw-245	972.850	DA2mw-107	1034.680	NTAmw-116	1089.690
BKGmw-010	991.560	LL3mw-238	992.280	LL9mw-002	1117.220	LL12mw-246	969.930	DA2mw-108	1027.330	NTAmw-117	1081.980
BKGmw-012	992.664	LL3mw-239	979.720	LL9mw-003	1124.500	ASYmw-001	970.280	DA2mw-109	1060.810	NTAmw-118	1073.660
BKGmw-013	977.350	LL3mw-240	980.330	LL9mw-004	1112.470	ASYmw-002	970.780	DA2mw-110	1058.080	RQLmw-006	960.490
BKGmw-015	992.017	LL3mw-241	985.370	LL9mw-005	1115.440	ASYmw-003	970.330	DA2mw-111	1037.150	RQLmw-007	959.130
BKGmw-016	1095.709	LL3mw-242	986.030	LL9mw-006	1112.150	ASYmw-004	971.890	DA2mw-112	1030.420	RQLmw-008	959.690
BKGmw-017	1119.080	LL3mw-243	979.970	LL9mw-007	1111.990	ASYmw-005	972.810	DA2mw-113	1030.030	RQLmw-009	959.200
BKGmw-018	1029.820	LL4mw-193	975.890	LL10mw-001	1109.800	ASYmw-006	969.820	EBGmw-123	938.130	RQLmw-010	957.000
BKGmw-019	1092.670	LL4mw-194	976.900	LL10mw-002	1110.790	ASYmw-007	969.740	EBGmw-124	937.990	RQLmw-011	955.350
BKGmw-020	1060.281	LL4mw-195	973.850	LL10mw-003	1110.320	ASYmw-008	974.280	EBGmw-125	937.990	RQLmw-012	956.350
BKGmw-021	956.809	LL4mw-196	971.410	LL10mw-004	1110.760	ASYmw-009	971.100	EBGmw-126	938.280	RQLmw-013	955.850
LL1mw-063	968.430	LL4mw-197	971.230	LL10mw-005	1111.600	ASYmw-010	969.670	EBGmw-127	938.570	RQLmw-014	954.540
LL1mw-064	934.400	LL4mw-198	977.160	LL10mw-006	1113.410	B12mw-010	990.490	EBGmw-128	938.480	RQLmw-015	959.760
LL1mw-065	934.050	LL4mw-199	970.790	LL11mw-1	1092.220	B12mw-011	987.150	EBGmw-129	939.420	RQLmw-016	960.970
LL1mw-067	961.970	LL4mw-200	970.670	LL11mw-2	1079.010	B12mw-012	985.940	EBGmw-130	938.300	RQLmw-017	960.880
LL1mw-078	963.990	LL5mw-001	1110.020	LL11mw-3	1087.600	CBLmw-001	1136.740	FBQmw-166	1104.350	WBGmw-005	1050.028
LL1mw-079	965.750	LL5mw-002	1109.980	LL11mw-4	1084.810	CBLmw-002	1136.230	FBQmw-167	1112.170	WBGmw-006	1009.406
LL1mw-080	986.970	LL5mw-003	1110.710	LL11mw-5	1073.520	CBLmw-003	1137.970	FBQmw-168	1122.790	WBGmw-007	983.761
LL1mw-081	968.080	LL5mw-004	1110.140	LL11mw-6	1081.950	CBLmw-004	1138.150	FBQmw-169	1116.290	WBGmw-008	994.459
LL1mw-082	978.520	LL5mw-005	1110.020	LL11mw-7	1068.640	CBPmw-1	963.841	FBQmw-170	1122.960	WBGmw-009	1036.029
LL1mw-083	962.270	LL5mw-006	1109.620	LL11mw-8	1086.230	CBPmw-2	962.576	FBQmw-171	1124.430	WBGmw-010	1061.880
LL1mw-084	969.920	LL6mw-001	1112.520	LL11mw-9	1088.280	CBPmw-3	963.757	FBQmw-172	1124.190	WBGmw-011	1061.630
LL1mw-085	961.840	LL6mw-002	1110.350	LL11mw-10	1078.420	CBPmw-4	961.479	FBQmw-173	1122.310	WBGmw-012	1060.690
LL2mw-059	955.160	LL6mw-003	1110.960	L12mw-088	974.760	CBPmw-5	960.670	FBQmw-174	1122.590	WBGmw-013	1060.990
LL2mw-060	954.030	LL6mw-004	1109.890	L12mw-107	972.130	CBPmw-6	961.275	FBQmw-175	1122.530	WBGmw-014	981.260
LL2mw-261	1005.180	LL6mw-005	1109.830	L12mw-113	975.190	CBPmw-7	962.154	FBQmw-176	1124.060	WBGmw-015	1001.340
LL2mw-262	1006.520	LL6mw-006	1112.850	L12mw-128	969.450	CBPmw-8	958.816	FBQmw-177	1117.550	WBGmw-016	980.310
LL2mw-263	1005.080	LL6mw-007	1112.880	L12mw-153	972.600	CPmw-1	972.259	LNWmw-024	1027.680	WBGmw-017	999.490
LL2mw-264	1007.240	LL7mw-001	1110.880	L12mw-154	971.470	CPmw-2	972.720	LNWmw-025	1024.920	MBS-001	1065.670
LL2mw-265	953.530	LL7mw-002	1113.410	L12mw-182	975.930	CPmw-3	973.250	LNWmw-026	1024.210	MBS-002	1066.320
LL2mw-266	1006.780	LL7mw-003	1111.060	L12mw-183	972.160	CPmw-4	972.018	LNWmw-027	1021.750	MBS-003	1066.970
LL2mw-267	1007.080	LL7mw-004	1113.120	L12mw-184	971.940	CPmw-5	953.747	NTAmw-107	1068.610	MBS-004	1066.170
LL2mw-268	1004.210	LL7mw-005	1115.990	L12mw-185	974.830	CPmw-6	956.500	NTAmw-108	1068.890	MBS-005	1065.720
LL2mw-269	994.190	LL7mw-006	1114.640	L12mw-186	973.190	DET-1B	1044.470	NTAmw-109	1069.060	MBS-006	1065.620
LL2mw-270	1003.140	LL8mw-001	1112.630	L12mw-187	971.910	DET-2	1029.010	NTAmw-110	1069.420		
LL3mw-232	983.670	LL8mw-002	1108.990	L12mw-188	976.640	DET-3	1027.630	NTAmw-111	1077.760		
LL3mw-233	979.520	LL8mw-003	1109.230	L12mw-189	975.040	DET-4	1028.330	NTAmw-112	1070.410		

Legend

- Bedrock Monitoring Well
- Unconsolidated Monitoring Well
- Unconsolidated / Bedrock Monitoring Well
- General Groundwater Flow Direction
- Property Boundary
- Building
- Asphalt Road
- Gravel Road
- Railroad Tracks
- Fence Line
- Stream
- Groundwater Contour,Depression
- Groundwater Contour, Primary
- Groundwater Contour, Supplementary
- Inferred Groundwater Divide

SpecPro Environmental Services

RVAAP Potentiometric Surface And Groundwater Monitoring Well Locations, April 2006

Potentiometric Surface Map of the Aquifer Flow Systems

SCALE: 1 inch equals 1,458 feet	**Plate 1.**
CADD/GIS FORMAT: ArcGis 9.2	
Ravenna, Ohio DATE: 04/2006	