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14. ABSTRACT

This document presents a summary of the facility-wide groundwater monitoring conducted in January 2009. Included in the report are:
• Summary of the groundwater elevations and water level measurements taken for each of the wells sampled.
• Analytical summary tables presenting the analytes detected above the method detection limit for this monitoring event.
• QA/QC and data verification reports for the event.

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FINAL
FACILITY-WIDE GROUNDWATER MONITORING PROGRAM

REPORT ON THE JANUARY 2009 SAMPLING EVENT

RAVENNA ARMY AMMUNITION PLANT,
RAVENNA, OHIO

MARC Contract Number W912QR-04-D-0036
Delivery Order 0006

Prepared for

U.S. Army Corps of Engineers
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July 31, 2009

FWGWMP January 2009 Final Sampling Event Report
Distribution List

Organization	Number of Printed Copies	Number of Electronic Copies
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Ohio EPA	1	2
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Ohio EPA – Ohio EPA Twinsburg Office
OHARNG – RTLS/ENV – Ohio Army National Guard Ravenna Training and Logistics Site/Environmental
RVAAP – Ravenna Army Ammunition Plant
USACE – U.S. Army Corps of Engineers
USAEC – U.S. Army Environmental Center
EQM – Environmental Quality Management, Inc.

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PLATES

LIST OF GENERAL ACRONYMS

ADR	Automatic Data Review
AOC	Area of Concern
BRAC	U.S. Army Base Realignment and Closure Office
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
DOD	Department of Defense
EQM	Environmental Quality Management, Inc.
EPA	Environmental Protection Agency
FWGWMP	Facility-Wide Groundwater Monitoring Plan
FWGWMPP	Facility-Wide Groundwater Monitoring Program Plan
FWSAP	Facility-Wide Sampling and Analysis Plan
GOCO	Government Owned, Contractor Operated
IDW	Investigative Derived Waste
IRP	Installation Restoration Program
LCS	Laboratory Control Sample
LCG	Louisville Chemistry Guidelines
MARC	Multiple Award Remediation Contract
MCL	Maximum Contaminant List
MDL	Method Detection Limit
MS/MSD	Matrix spike/matrix spike duplicate
NGB	National Guard Bureau
OHARNG	Ohio Army National Guard
PCB	Polychlorinated biphenyl
PQL	Practical Quantitation Limit
PRG	Preliminary Remediation Goal
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
RTLS	Ravenna Training and Logistics Site
RVAAP	Ravenna Army Ammunition Plant
SRC	Site Related Contaminant
SVOC	Semi-volatile Organic Compound
TAL	Target Analyte List
TOC	Top of Casing
USACE	U.S. Army Corps of Engineers
USP&FO	United States Property and Fiscal Officer
VOC	Volatile Organic Compound

LIST OF AREA OF CONCERN ACRONYMS

B12	Building 1200
BKG	Background
CBL	C-Block
CBP	Central Burn Pits
CP	Cobbs Pond
DA2	Demolition Area #2
EBG	Erie Burning Grounds
FBQ	Fuze and Booster Quarry
LNW	Landfill North of Winklepeck
LL	Load Line
MBS	Mustard Burial Site
NACA	National Advisory Committee for Aeronautics
NTA	NACA Test Area
RQL	Ramsdell Quarry Landfill
WBG	Winklepeck Burning Grounds

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

1.2.1 Historical Monitoring

In 2004 the U.S. Army and the Ohio EPA finalized the Facility-Wide Groundwater

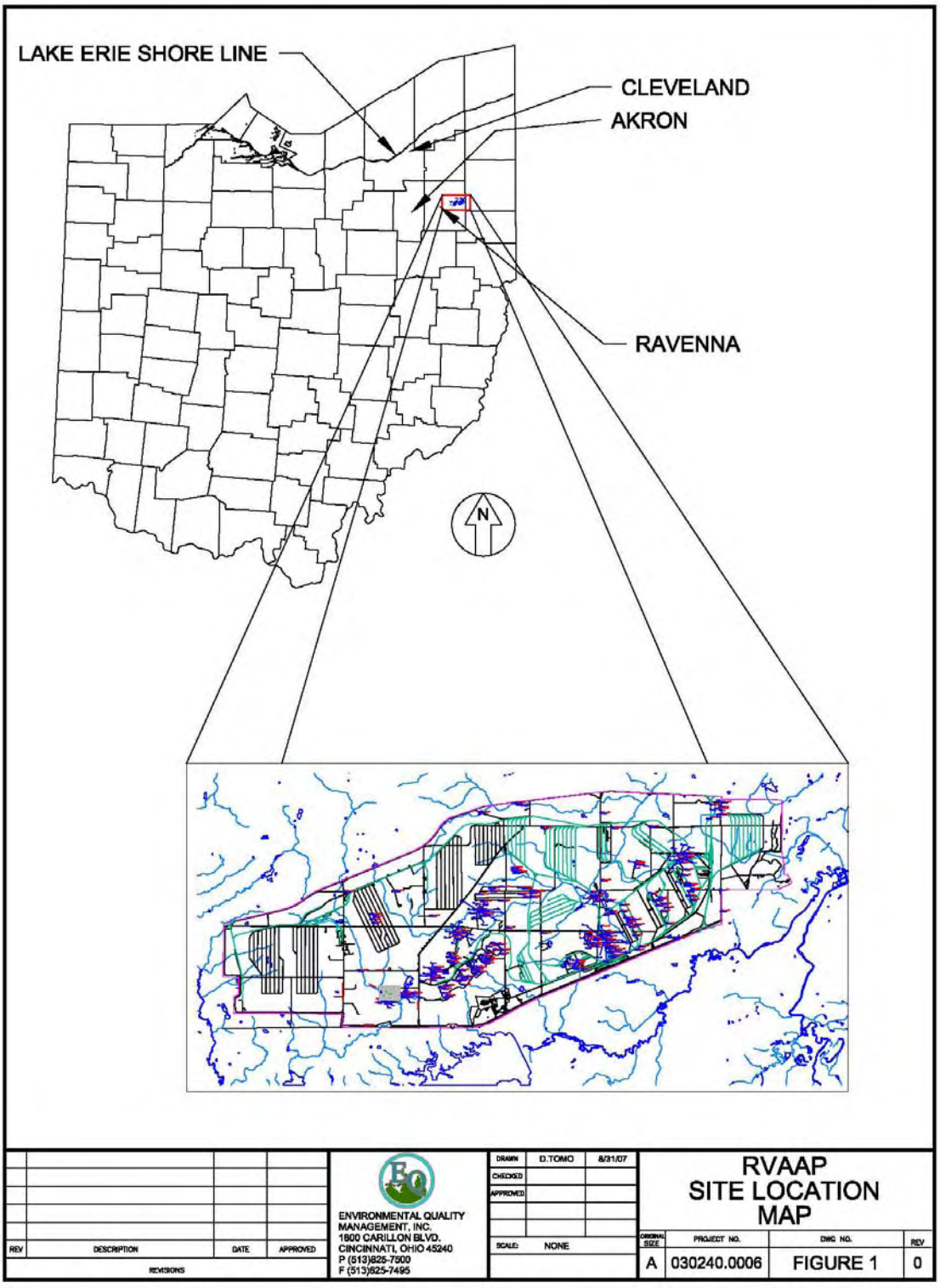

Fig. 1-1 General Location Map

Fig 1-2 RVAAP Facility Map

Monitoring Program (FWGWMP) Plan which details the requirements of the program. The FWGWMP was initiated in 2005 with three consecutive quarters of FWGWMP well sampling. Quarterly sampling has continued through the current monitoring event. The initial FWGWMP wells identified for monitoring were sampled once every quarter, with the exception of the 5 Resource Conservation and Recovery Act (RCRA) wells that include Ramsdell Quarry Landfill (RQL) wells RQLmw-007, -008, and -009, and two Demolition (DA) Area 2 wells, DA2mw-DETmw-003 and DETmw-004. The RQL and DA2 wells are sampled twice a year, during the second (April) and fourth (October) sampling events.

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 consisted of the sampling of 36 wells specified in Table 4-1 of the FWGWMPP. Fourteen of these wells are "Background Wells"; 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 FWGWMP sampling events are presented in the reports referenced in Section 4 of this report. The final assessment monitoring event for the initial well sampling and analysis was completed in October 2007.

1.2.2 Current Monitoring

On October 22, 2007 the United State Army Corps of Engineers (USACE) submitted to the Ohio Environmental Protection Agency (EPA) the *Draft Proposal to Update the Facility-Wide Ground Water Monitoring Program* (USACE October 2007) at the Ravenna Army Ammunition Plant. This proposal presented recommendations for modifications to the FWGWMP, the Director's Final Findings and Orders, and the Conceptual Plan in Appendix F of the Findings and Orders as presented below.

Section 3.1.2.2 of the FWGWMP Plan establishes a protocol for adding and removing wells from the FWGWMP: "Future wells installed as part of individual AOC investigations conducted under the ongoing Comprehensive Environmental Response Compensation and Liability Act (CERCLA) process at RVAAP will be evaluated for incorporation into the FWGWMP upon completion of at least four quarterly groundwater sampling events to be conducted as part of the Remedial Investigation (RI) phase at each AOC. The frequency of the initial sampling events may be other than quarterly if agreed upon by the Army and Ohio EPA". Based on this protocol the USACE notified the Ohio EPA on December 12, 2007 that the wells to be sampled would be changed effective with the January 2008 monitoring event. The Ohio EPA provided concurrence with this change in an email dated January 8, 2008. The Ohio EPA was notified of an additional change on February 27, 2008 increasing the number of wells to be sampled for the April

2008 event. The Ohio EPA was notified on March 21, 2008 that the number of FWGWMP wells to be sampled in April 2008 (and the July 2008, October 2008, and January 2009 events) would be increased to 132 plus the 5 RCRA wells sampled semi-annually. Copies of this correspondence are presented in Appendix A.

The list of FWGWMP wells monitored for the January 2009 event is presented in Appendix B.

1.3 Scope of Work for the January 2009 Sampling Event

Environmental Quality Management, Inc. (EQM) has been contracted (MARC Contract Number W912QR-04-D-0036) by the Louisville District USACE to conduct the 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 January 2009 sampling event in accordance with specifications contained in the FWGWMPP, the FWSAP, and the Scope of Work written by the USACE:

- Performed groundwater sampling at 131 of the wells identified in Appendix B. The water in LL11mw-009 was frozen and was not sampled during this event. The 4 quarters of sampling for this well will begin in April 2009 (see the Technical Change Order in Appendix C).
- Collected water level measurements and performed well inspections for all 237 facility groundwater monitoring wells.
- Performed laboratory analysis for the collected samples.
- Verified, validated and reduced the laboratory analytical data produced for the event (exclusive of the quality assurance samples analyzed by RTI).
- Prepared the Investigative Derived Waste (IDW) Characterization and Disposal Report for the IDW collected during monitoring activities.
- Prepared and submitted the quarterly monitoring report for the sampling event.

1.4 Report Presentation

This report presents the results of the January 2009 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 – Summary of Results
- Section 5.0 – References.

The appendices contain the following items:

- Appendix A - Correspondence Documenting the Change in Wells to be Sampled in 2008.
- Appendix B – List of Wells Sampled During the January 2009 Event.
- Appendix C – Technical Change Orders.
- Appendix D – Water Level Measurements/Field Log Book and Purge Records/Daily Quality Control Reports.
- Appendix E – Data Verification Reports/Laboratory Data Sheets.
- Appendix F – Investigation-Derived Waste (IDW) Characterization and Disposal Plan.
- Appendix G – Reporting Limits that Currently Do Not Meet the RVAAP Quality Assurance Project Plan (QAPP) Practical Quantitation Limits (PQLs) and/or Region 9 Preliminary Remediation Goals (PRGs).
- H – Correspondence & Comment/Response Tables

The report is contained in 5 volumes:

- Volume 1 presents the main text and Appendices A-E.
- Volumes 2-4 present the Appendix E analytical data sheets/validation reports.
- Volume 5 presents Appendices D-H and the plates.

SECTION 2

PROJECT ACTIVITIES

2.1 Groundwater Level Monitoring

Depth to water from the top of the inner casing was measured in the 237 FWGWMP wells during January 13-14, 19-20, and 27, 2009. 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. The monitoring well location map, identified as Plate 1, is included with this report. Potentiometric maps created from groundwater measurements from all RVAAP monitoring wells in January 2009 are presented on Plates 2 and 3. The potentiometric maps were generated from the January 2009 water level measurements taken from all 237 facility wells. These maps are updated on a yearly basis. The water levels from the quarterly events are not included in these plates. The potentiometric maps will be updated again after the January 2010 water level measurement event.

2.2 Groundwater Sampling

All identified wells were sampled January 19-28, 2009. Wells were sampled using micropurge techniques in accordance with the specifications contained in the FWGWMPP and FWSAP. Building 12mw-012, LL6mw-001, LL6mw-002, and RQLmw-017 were sampled using a bailer because of low water volume and slow recharge. All of these wells had less than 1.5-feet of water in the casings and were therefore identified for bailing. 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 a Horiba U-22 with flow cells or equivalent**.** Groundwater parameter measurements obtained during micropurging are presented in Appendix D.

Groundwater samples were collected with bladder pump micropurge equipment with the exception of Building 1200mw-012, LL6mw-001, LL6mw-002, and RQLmw-017 which were sampled using a Teflon bailer. Equipment and sampling details are contained in Appendix D. Groundwater samples were collected in laboratory supplied containers and stored in iced coolers for shipment in accordance with FWSAP and FWGWMPP specifications. All coolers were received by the laboratory at temperatures within the prescribed limits of the FWGWMP.

The water in LL11mw-009 was frozen and was not sampled during this event. The ambient air temperatures during the sampling period were well below freezing with no

temperature increase forecast until mid-February 2009. The Technical Change Order for this well is presented in Appendix C. Therefore it was decided to begin the 4 quarters of sampling for this well in April 2009. Additionally, as described in Appendix C one of the wells (Building 1200mw-012) has always had very little water in the well (<1-foot) and has a very slow recharge rate. During the January 2009 sampling event the measured water in the well was less than 1-inch. Sampling of this well was attempted but there was sufficient water for only three 40-ml VOC bottles. As for past events EQM returned to the well but was getting less than 100ml recharge per day. At this point it was suggested to the Ohio EPA to resample the well during the April 2009 sampling event. The Ohio EPA and the USACE agreed with this suggestion.

2.3 Laboratory Analysis

Laboratory analyses on all primary samples and associated quality control samples were performed by TestAmerica Laboratories. 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]
Cyanide, (Total)	General Chemistry (9012A)
Metals (Magnesium, Manganese, Barium, Nickel, Potassium, Silver, Sodium, Vanadium, Chromium, Calcium, Cobalt, Copper, Arsenic, Lead, Selenium)	Inductively Coupled Plasma (6010B)
Metals (Antimony, Iron, Beryllium, Thallium, Zinc, Cadmium, Aluminum)	Inductively Coupled Plasma Mass Spectrometry (6020)
Metals (Mercury)	(7470A, Cold Vapor) - Liquid
Perchlorates	Method 6860

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.

Quality control (QC) samples were collected from the following wells:

LL5mw-006 – Duplicate sample	LL5mw-005 – MS/MSD
LL7mw-006 – Duplicate sample	LL7mw-003 – MS/MSD
LL10mw-006 - Duplicate sample	LL10mw-004 – MS/MSD
LL11mw-010 – Duplicate sample	CBLmw-002 – MS/MSD
CBLmw-003 – Duplicate sample	MBSmw-002 – MS/MSD
CBPmw-004 – Duplicate sample	CBPmw-002 – MS/MSD
CPmw-006 – Duplicate sample	CPmw-005 – MS/MSD
DA2mw-110 – Duplicate sample	DA2mw-106 – MS/MSD
EBGmw-127 – Duplicate sample	EBGmw-130 - MS/MSD
FBQmw-176 – Duplicate sample	FBQmw-170 – MS/MSD
LNWmw-027 – Duplicate sample	LNWmw-025 – MS/MSD
NTAmw-110 – Duplicate sample	NTAmw-111 – MS/MSD
RQLmw-012 - Duplicate sample	RQLmw-013 – MS/MSD
WBGmw-010 – Duplicate sample	WBGmw-005 –MS/MSD

Well NTAmw-115 had a sample collected and analyzed for perchlorate only (this well was inadvertently excluded from perchlorate sampling during the October 2008 sampling event). As a result an MS/MSD, and duplicate sample were collected from this well and analyzed for perchlorate only.

All samples were picked up from the facility and delivered to the laboratory in iced coolers by a TestAmerica courier under proper chain-of-custody procedures (Appendix D). Laboratory analyses on all quality assurance (QA) samples were performed by RTI Laboratories in Livonia Michigan. Fifteen QA samples were collected for this sampling event from the same wells where the duplicate samples were collected.

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 January 2009 monitoring event. This table presents in tabular form all analyses and associated QA/QC. The Daily Quality Control Reports are presented in Appendix D.

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

2.4 Data Verification/Validation

Data from TestAmerica were verified in accordance with project specifications by EQM chemists Angye Dragotta, and Eric Corbin 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 E.

2.5 Investigation Derived Waste

Purge water was collected at each well location in 5-gallon buckets and transferred to 55-gallon drums located inside Building 1036. 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 separate, AOC-designated 55-gallon drum stored inside Building 1036. Pending analysis of the monitoring well samples, IDW fluids will be stored in the 55-gallon drums 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 F.

Table 2-2 QA Table for January 2009 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	Perchlorate
B12mw-010	FWGB12mw-010C-1175-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam1-Trip				X	X	X	X	X	
B12mw-011	FWGB12mw-011C-1176-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam4-Trip				X	X	X	X	X	
B12mw-012*	FWGB12mw-012C-1177-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam1-Trip				X					
RQLmw-012	FWGRQLmw-012C-1238-GW/GF	01/19/09	GW	DUP13-1271	EQUIPRinse1-1288	FWGTeam5-Trip		FWGRQLmw-012C-1286S-GW/GF	TRIP	X	X	X	X	X	
RQLmw-013	FWGRQLmw-013C-1239-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam3-Trip	Yes			X	X	X	X	X	
RQLmw-014	FWGRQLmw-014C-1240-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam2-Trip				X	X	X	X	X	
RQLmw-015	FWGRQLmw-015C-1241-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam4-Trip				X	X	X	X	X	
RQLmw-016	FWGRQLmw-016C-1242-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam1-Trip				X	X	X	X	X	
RQLmw-017*	FWGRQLmw-017C-1243-GW/GF	01/19/09	GW		EQUIPRinse1-1288	FWGTeam2-Trip				X	X	X	X	X	
CBLmw-001	FWGCBLmw-001C-1178-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam3-Trip				X	X	X	X	X	
CBLmw-002	FWGCBLmw-002C-1179-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam2-Trip	Yes			X	X	X	X	X	
CBLmw-003	FWGCBLmw-003C-1180-GW/GF	01/20/09	GW	DUP5-1264	EQUIPRinse2-1289	FWGTeam4-Trip		FWGCBLmw-003C-1180-GW/GF	TRIP	X	X	X	X	X	
CPmw-001	FWGCPmw-001C-1187-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam4-Trip				X	X	X	X	X	
CPmw-002	FWGCPmw-002C-1188-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam2-Trip		FWGCPmw-002C-1188-GW/GF		X	X	X	X	X	
CPmw-003	FWGCPmw-003C-1189-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam4-Trip				X	X	X	X	X	
CPmw-004	FWGCPmw-004C-1190-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam3-Trip				X	X	X	X	X	
CPmw-005	FWGCPmw-005C-1191-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam3-Trip	Yes			X	X	X	X	X	
CPmw-006	FWGCPmw-006C-1192-GW/GF	01/20/09	GW	DUP7-1266	EQUIPRinse2-1289	FWGTeam2-Trip		FWGCPmw-006C-1280S-GW/GF	TRIPBLANK	X	X	X	X	X	
EBGmw-123	FWGEBGmw-123C-1202-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam1-Trip				X	X	X	X	X	
EBGmw-124	FWGEBGmw-124C-1203-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam1-Trip				X	X	X	X	X	
EBGmw-125	FWGEBGmw-125C-1204-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam1-Trip				X	X	X	X	X	
EBGmw-127	FWGEBGmw-127C-1206-GW/GF	01/20/09	GW	DUP9-1268	EQUIPRinse2-1289	FWGTeam5-Trip		FWGEBGmw-127C-1282S-GW/GF	TRIP	X	X	X	X	X	
EBGmw-128	FWGEBGmw-128C-1207-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam5-Trip				X	X	X	X	X	
EBGmw129	FWGEBGmw-129C-1208-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam1-Trip				X	X	X	X	X	
LL6mw-001*	FWGLL6mw-001C-1135-GW/GF	01/20/09	GW		EQUIPRinse2-1289	FWGTeam3-Trip				X	X	X	X	X	
CBLmw-004	FWGCBLmw-004C-1181-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam3-Trip				X	X	X	X	X	
CBPmw-001	FWGCBPmw-001C-1182-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam5-Trip				X	X	X	X	X	
CBPmw-002	FWGCBPmw-002C-1183-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam4-Trip	Yes			X	X	X	X	X	
CBPmw-003	FWGCBPmw-003C-1184-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam4-Trip				X	X	X	X	X	
CBPmw-004	FWGCBPmw-004C-1185-GW/GF	01/21/09	GW	DUP6-1265	EQUIPRinse3-1290	FWGTeam5-Trip		FWGCBPmw-004C-1279S-GW/GF	TRIP	X	X	X	X	X	
CBPmw-008	FWGCBPmw-008C-1186-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam4-Trip				X	X	X	X	X	
EBGmw-130	FWGEBGmw-130C-1209-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam1-Trip	Yes			X	X	X	X	X	
LL5mw-001	FWGLL5mw-001C-1129-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam2-Trip				X	X	X	X	X	
LL5mw-002	FWGLL5mw-002C-1130-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam1-Trip				X	X	X	X	X	
LL5mw-003	FWGLL5mw-003C-1131-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam5-Trip				X	X	X	X	X	
LL5mw-004	FWGLL5mw-004C-1132-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam3-Trip				X	X	X	X	X	
LL5mw-006	FWGLL5mw-006C-1134-GW/GF	01/21/09	GW	DUP1-1260	EQUIPRinse3-1290	FWGTeam1-Trip		FWGLL5mw-006C-1274S-GW/GF	FWGTEAM1-TRIP	X	X	X	X	X	
LL6mw-002*	FWGLL6mw-002C-1136-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam3-Trip				X	X	X	X	X	
LL6mw-003	FWGLL6mw-003C-1137-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam2-Trip				X	X	X	X	X	
LL6mw-004	FWGLL6mw-004C-1138-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam3-Trip				X	X	X	X	X	
LL6mw-005	FWGLL6mw-005C-1139-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam2-Trip				X	X	X	X	X	
LL6mw-006	FWGLL6mw-006C-1140-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam2-Trip				X	X	X	X	X	
LL6mw-007	FWGLL6mw-007C-1141-GW/GF	01/21/09	GW		EQUIPRinse3-1290	FWGTeam2-Trip				X	X	X	X	X	

Table 2-2 QA Table for January 2009 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	Perchlorate
EBGmw-126	FWGEBGmw-126C-1205-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam1-Trip				X	X	X	X	X	
LL10mw-001	FWGLL10mw-001C-1161-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam1-Trip				X	X	X	X	X	
LL10mw-002	FWGLL10mw-002C-1162-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam3-Trip				X	X	X	X	X	
LL10mw-003	FWGLL10mw-003C-1163-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam4-Trip				X	X	X	X	X	
LL10mw-004	FWGLL10mw-004C-1164-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam1-Trip	Yes			X	X	X	X	X	
LL10mw-005	FWGLL10mw-005C-1165-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam4-Trip				X	X	X	X	X	
LL10mw-006	FWGLL10mw-006C-1166-GW/GF	01/22/09	GW	DUP3-1262	EQUIPRinse4-1291	FWGTeam4-Trip		FWGLL10mw-006C-1276S-GW/GF	TripBlank	X	X	X	X	X	
LL1mw-064	FWGLL1mw-064C-1128-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam1-Trip				X	X	X	X	X	
LL5mw-005	FWGLL5mw-005C-1133-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam3-Trip	Yes			X	X	X	X	X	
LL7mw-001	FWGLL7mw-001C-1142-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam5-Trip				X	X	X	X	X	
LL7mw-006	FWGLL7mw-006C-1147-GW/GF	01/22/09	GW	DUP2-1261	EQUIPRinse4-1291	FWGTeam3-Trip		FWGLL7mw-006C-1275S-GW/GF	Trip Blank	X	X	X	X	X	
LL8mw-001	FWGLL8mw-001C-1148-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam5-Trip				X	X	X	X	X	
LL8mw-002	FWGLL8mw-002C-1149-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam5-Trip				X	X	X	X	X	
LL8mw-003	FWGLL8mw-003C-1150-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam2-Trip				X	X	X	X	X	
LL8mw-004	FWGLL8mw-004C-1151-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam5-Trip				X	X	X	X	X	
LL8mw-005	FWGLL8mw-005C-1152-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam2-Trip				X	X	X	X	X	
LL8mw-006	FWGLL8mw-006C-1153-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam2-Trip				X	X	X	X	X	
LL9mw-001	FWGLL9mw-001C-1154-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam5-Trip				X	X	X	X	X	
LL9mw-002	FWGLL9mw-002C-1155-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam3-Trip				X	X	X	X	X	
LL9mw-003	FWGLL9mw-003C-1156-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam5-Trip				X	X	X	X	X	
LL9mw-004	FWGLL9mw-004C-1157-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam4-Trip				X	X	X	X	X	
LL9mw-006	FWGLL9mw-006C-1159-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam4-Trip				X	X	X	X	X	
LL9mw-007	FWGLL9mw-007C-1160-GW/GF	01/22/09	GW		EQUIPRinse4-1291	FWGTeam3-Trip				X	X	X	X	X	
DA2mw-104	FWGDA2mw-104C-1193-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam3-Trip				X	X	X	X	X	
DA2mw-109	FWGDA2mw-109C-1197-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam2-Trip				X	X	X	X	X	
LL11mw-001	FWGLL11mw-001C-1167-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam5-Trip				X	X	X	X	X	
LL11mw-003	FWGLL11mw-003C-1168-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam3-Trip				X	X	X	X	X	
LL11mw-004	FWGLL11mw-004C-1169-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam5-Trip				X	X	X	X	X	
LL11mw-005	FWGLL11mw-005C-1170-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam3-Trip				X	X	X	X	X	
LL11mw-006	FWGLL11mw-006C-1171-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam5-Trip				X	X	X	X	X	
LL11mw-008	FWGLL11mw-008C-1172-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam4-Trip				X	X	X	X	X	
LL11mw-010	FWGLL11mw-010C-1174-GW/GF	01/23/09	GW	DUP4-1263	EQUIPRinse5-1292	FWGTeam4-Trip		FWGLL11mw-010C-1277S-GW/GF	TRIP BLANK	X	X	X	X	X	
LL7mw-002	FWGLL7mw-002C-1143-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam1-Trip				X	X	X	X	X	
LL7mw-003	FWGLL7mw-003C-1144-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam1-Trip	Yes			X	X	X	X	X	
LL7mw-004	FWGLL7mw-004C-1145-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam2-Trip				X	X	X	X	X	
LL7mw-005	FWGLL7mw-005C-1146-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam2-Trip				X	X	X	X	X	
LL9mw-005	FWGLL9mw-005C-1158-GW/GF	01/23/09	GW		EQUIPRinse5-1292	FWGTeam1-Trip				X	X	X	X	X	
DA2mw-105	FWGDA2mw-105C-1194-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam1-Trip				X	X	X	X	X	
DA2mw-106	FWGDA2mw-106C-1195-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam2-Trip	Yes			X	X	X	X	X	
DA2mw-108	FWGDA2mw-108C-1196-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam5-Trip				X	X	X	X	X	
DA2mw-110	FWGDA2mw-110C-1198-GW/GF	01/26/09	GW	DUP8-1267	EQUIPRinse6-1293	FWGTeam4-Trip		FWGDA2mw-110C-1281S-GW/GF	TRIPBLANK	X	X	X	X	X	
DA2mw-111	FWGDA2mw-111C-1199-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam5-Trip				X	X	X	X	X	
DA2mw-112	FWGDA2mw-112C-1200-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam3-Trip				X	X	X	X	X	
DA2mw-113	FWGDA2mw-113C-1201-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam3-Trip				X	X	X	X	X	

Table 2-2 QA Table for January 2009 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	Perchlorate
WBGmw-005	FWGWBGmw-005C-1244-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam1-Trip	Yes			X	X	X	X	X	
WBGmw-008	FWGWBGmw-008C-1245-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam3-Trip				X	X	X	X	X	
WBGmw-010	FWGWBGmw-010C-1246-GW/GF	01/26/09	GW	DUP14-1272	EQUIPRinse6-1293	FWGTeam4-Trip		FWGWBGmw-010C-1287S-GW/GF	TRIPBLANK	X	X	X	X	X	
WBGmw-011	FWGWBGmw-011C-1247-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam1-Trip				X	X	X	X	X	
WBGmw-012	FWGWBGmw-012C-1248-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam1-Trip				X	X	X	X	X	
WBGmw-013	FWGWBGmw-013C-1249-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam5-Trip				X	X	X	X	X	
WBGmw-014	FWGWBGmw-014C-1250-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam3-Trip				X	X	X	X	X	
WBGmw-015	FWGWBGmw-015C-1251-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam4-Trip				X	X	X	X	X	
WBGmw-016	FWGWBGmw-016C-1252-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam2-Trip				X	X	X	X	X	
WBGmw-017	FWGWBGmw-017C-1253-GW/GF	01/26/09	GW		EQUIPRinse6-1293	FWGTeam4-Trip				X	X	X	X	X	
FBQmw-166	FWGFBQmw-166C-1210-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam1-Trip				X	X	X	X	X	
FBQmw-167	FWGFBQmw-167C-1211-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam1-Trip				X	X	X	X	X	
FBQmw-168	FWGFBQmw-168C-1212-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam5-Trip				X	X	X	X	X	
FBQmw-169	FWGFBQmw-169C-1213-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam1-Trip				X	X	X	X	X	
FBQmw-170	FWGFBQmw-170C-1214-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam4-Trip	Yes			X	X	X	X	X	
FBQmw-171	FWGFBQmw-171C-1215-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam4-Trip				X	X	X	X	X	
FBQmw-172	FWGFBQmw-172C-1216-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam1-Trip				X	X	X	X	X	
FBQmw-173	FWGFBQmw-173C-1217-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam1-Trip				X	X	X	X	X	
FBQmw-174	FWGFBQmw-174C-1218-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam4-Trip				X	X	X	X	X	
FBQmw-175	FWGFBQmw-175C-1219-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam4-Trip				X	X	X	X	X	
FBQmw-176	FWGFBQmw-176C-1220-GW/GF	01/27/09	GW	DUP10-1296	EQUIPRinse7-1294	FWGTeam5-Trip		FWGFBQmw-176C-1283S-GW/GF	TRIP	X	X	X	X	X	
FBQmw-177	FWGFBQmw-177C-1221-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam5-Trip				X	X	X	X	X	
LNWmw-024	FWGLNWmw-024C-1222-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam2-Trip				X	X	X	X	X	
LNWmw-025	FWGLNWmw-025C-1223-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam2-Trip	Yes			X	X	X	X	X	
LNWmw-026	FWGLNWmw-026C-1224-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam3-Trip				X	X	X	X	X	
LNWmw-027	FWGLNWmw-027C-1225-GW/GF	01/27/09	GW	DUP11-1269	EQUIPRinse7-1294	FWGTeam3-Trip		FWGLNWmw-027C-1284S-GW/GF	Trip Blank	X	X	X	X	X	
NTAmw-107	FWGNTAmw-107C-1226-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam3-Trip				X	X	X	X	X	
NTAmw-108	FWGNTAmw-108C-1227-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam4-Trip				X	X	X	X	X	
NTAmw-109	FWGNTAmw-109C-1228-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam1-Trip				X	X	X	X	X	
NTAmw-112	FWGNTAmw-112C-1231-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam5-Trip				X	X	X	X	X	
NTAmw-113	FWGNTAmw-113C-1232-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam5-Trip				X	X	X	X	X	
NTAmw-114	FWGNTAmw-114C-1233-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam5-Trip				X	X	X	X	X	
NTAmw-115	FWGNTAmw-115C-1234-GW/GF	01/27/09	GW	DUP15-1234	EQUIPRinse7-1294	FWGTeam3-Trip	Yes	FWGNTAmw-115C-1234S-GW		X	X	X	X	X	X**
NTAmw-116	FWGNTAmw-116C-1235-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam3-Trip				X	X	X	X	X	
NTAmw-117	FWGNTAmw-117C-1236-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam2-Trip				X	X	X	X	X	
NTAmw-118	FWGNTAmw-118C-1237-GW/GF	01/27/09	GW		EQUIPRinse7-1294	FWGTeam2-Trip				X	X	X	X	X	
MBSmw-001	FWGMBSmw-001C-1254-GW/GF	01/28/09	GW		EQUIPRinse8-1295	FWGTeam3-Trip				X	X	X	X	X	
MBSmw-002	FWGMBSmw-002C-1255-GW/GF	01/28/09	GW		EQUIPRinse8-1295	FWGTeam4-Trip	Yes			X	X	X	X	X	
MBSmw-003	FWGMBSmw-003C-1256-GW/GF	01/28/09	GW		EQUIPRinse8-1295	FWGTeam4-Trip				X	X	X	X	X	
MBSmw-004	FWGMBSmw-004C-1257-GW/GF	01/28/09	GW		EQUIPRinse8-1295	FWGTeam1-Trip				X	X	X	X	X	
MBSmw-005	FWGMBSmw-005C-1258-GW/GF	01/28/09	GW		EQUIPRinse8-1295	FWGTeam1-Trip				X	X	X	X	X	
MBSmw-006	FWGMBSmw-006C-1259-GW/GF	01/28/09	GW		EQUIPRinse8-1295	FWGTeam3-Trip				X	X	X	X	X	
NTAmw-110	FWGNTAmw-110C-1229-GW/GF	01/28/09	GW	DUP12-1270	EQUIPRinse8-1295	FWGTeam2-Trip		FWGNTAmw-110C-1285S-GW/GF	TRIP BLANK	X	X	X	X	X	
NTAmw-111	FWGNTAmw-111C-1230-GW/GF	01/28/09	GW		EQUIPRinse8-1295	FWGTeam5-Trip	Yes			X	X	X	X	X	

*Sampled by bailer and/or over multiple, successive days due to inadequate well volume to fill required sample containers. ** Perchlorate collected as a parent, msmsd, dup, and split.

SECTION 3

RESULTS

3.1 Groundwater Elevations

Groundwater elevations for the FWGWMP monitoring wells were obtained on January 13-14, 19-20, and 27, 2009 as described in Section 2.1. The groundwater elevations for the FWGWMP wells are presented in Table 3-1. The monitoring well location map, identified as Plate 1, is included with this report. Facility-wide groundwater potentiometric maps (Plates 2, and 3) based on all RVAAP groundwater measurements taken during the January 2009 event are also included in this report.

3.1.1 Sediment Accumulation for the January 2009 Event

EQM has reviewed the sediment accumulation footages and the description of bottom for the wells. The majority of wells at RVAAP indicate a <0.20-foot accumulation of sediment with a hard bottom indicated. Several wells have indicated a >0.50-foot accumulation when compared to the original reported construction depths and most were not highly turbid wells. Despite the apparent sediment accumulation in these wells there is still sufficient well screen open to the formation to allow collection of a sample directly from the formation. EQM will continue to monitor the sediment accumulation, descriptions of bottom, and the chance for turbidity increases at all of the wells sampled at RVAAP. A list of wells to be redeveloped during 2009 is presented as Table 3-2. The wells identified in Table 3-2 will be redeveloped during the period of June 16-18, 2009. Redevelopment will be completed by surging and pumping using a surge block, and a centrifugal and/or submersible pump. This will be performed to remove fines accumulating as sediment in the bottom well cap. Each well will be developed by at least two methods (surge and pump) with the attempt to reach stability of hydraulic conditions according to the Technical Guidance Manual for Hydraulic Investigations and Groundwater Monitoring OEPA, February 1995.

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. EQM will continue to monitor any high turbidity readings and make a determination for future redevelopment and other evaluation of any affected wells.

3.1.2 Groundwater pH

Groundwater pH values of less than 5 have been noted in several wells over the past few sampling events. EQM has reviewed the historical purge records for these wells. The pH readings are presented below for these wells. The low pH in some of the wells could be

Table 3-1 JANUARY 2009 FWGMP Monitoring Well Measurements

Well	Monitoring Zone	Top of Casing (TOC) Elevation[a] (ft)	2008 2nd Quarter Groundwater Elevation (April/2008) (ft)	2008 3nd Quarter Groundwater Elevation (July/2008) (ft)	2008 4th Quarter Groundwater Elevation (Oct/2008) (ft)	2009 1st Quarter Groundwater Elevation (Jan/2009) (ft)	Depth to Water (ft below TOC) Jan/2009	Reported Construction Depth from TOC[a] (ft)	Jan/2009 Measured Depth from TOC (ft)	Jan/2009 Sediment Accumulation (ft)	Jan/2009 Description of Bottom
Loadline 1											
LL1mw-064	Unconsolidated	935.10	934.47	932.98	931.52	932.95	2.15	21.1	21.05	0.05	hard
Loadline 5											
LL5mw-001	Homewood	1,127.92	1,109.97	1,107.73	1,104.65	1,107.89	20.03	26.9	26.97	-0.07	hard
LL5mw-002	Homewood	1,128.68	1,110.13	1,106.78	1,106.81	1,107.83	20.85	27.90	27.42	0.48	medium
LL5mw-003	Unconsolidated	1,127.70	1,110.85	1,108.11	1,108.00	1,108.05	19.65	24.00	23.92	0.08	hard
LL5mw-004	Homewood	1,125.81	1,110.33	1,107.66	1,102.26	1,107.91	17.90	24.90	25.34	-0.44	hard
LL5mw-005	Homewood	1,129.42	1,110.05	1,107.72	1,107.67	1,107.87	21.55	29.90	29.64	0.26	hard
LL5mw-006	Homewood	1,128.00	1,110.05	1,107.68	1,106.66	1,107.58	20.42	26.90	27.03	-0.13	hard
Loadline 6											
LL6mw-001	Unconsolidated	1,124.16	1,113.01	1,110.24	1,107.68	1,110.65	13.51	17.0	17.55	-0.55	hard
LL6mw-002	Unconsolidated	1,129.36	1,111.34	1,108.17	1,106.62	1,117.65	11.71	22.5	24.44	-1.94	hard
LL6mw-003	Homewood	1,125.38	1,111.33	1,109.24	1,107.43	1,108.94	16.44	25.9	25.69	0.21	hard
LL6mw-004	Homewood	1,125.39	NM	1,108.14	1,106.76	1,108.39	17.00	25.1	24.50	0.60	hard
LL6mw-005	Homewood	1120.47	NM	NM	NM	1,108.61	11.86	22.5	22.20	0.30	hard
LL6mw-006	Unconsolidated	1124.37	NM	NM	NM	1,109.15	15.22	17	17.75	-0.75	hard
LL6mw-007	Homewood	1115.62	NM	NM	NM	1,110.12	5.50	19.5	19.37	0.13	hard
Loadline 7											
LL7mw-001	Homewood	1129.64	NM	NM	NM	1,109.29	20.35	32.2	33.00	-0.80	hard
LL7mw-002	Homewood	1129.55	NM	NM	NM	1,113.93	15.62	27.8	27.14	0.66	hard
LL7mw-003	Homewood	1120.84	NM	NM	NM	1,109.61	11.23	33.6	33.32	0.28	hard
LL7mw-004	Homewood	1126.32	NM	NM	NM	1,111.57	14.75	32.5	32.17	0.33	hard
LL7mw-005	Homewood	1135.87	NM	NM	NM	1,114.23	21.64	30.6	30.31	0.29	hard
LL7mw-006	Homewood	1123.56	NM	NM	NM	1,113.18	10.38	30.4	30.25	0.15	hard
Loadline 8											
LL8mw-001	Unconsolidated	1121.46	NM	NM	NM	1,110.01	11.45	26.8	27.50	-0.70	soft
LL8mw-002	Unconsolidated	1124.51	NM	NM	NM	1,106.24	18.27	32.8	32.53	0.27	hard
LL8mw-003	Unconsolidated	1119.05	NM	NM	NM	1,106.36	12.69	23.3	22.95	0.35	hard
LL8mw-004	Unconsolidated	1115.75	NM	NM	NM	1,104.88	10.87	23	22.60	0.40	medium
LL8mw-005	Homewood	1115.73	NM	NM	NM	1,101.95	13.78	27.2	27.12	0.08	medium
LL8mw-006	Homewood	1117.17	NM	NM	NM	1,097.47	19.70	26.8	27.01	-0.21	hard
Loadline 9											
LL9mw-001	Homewood	1134.62	NM	NM	NM	1,119.61	15.01	23.3	23.45	-0.15	hard
LL9mw-002	Homewood	1127.30	NM	NM	NM	1,116.61	10.69	22.4	22.70	-0.30	hard
LL9mw-003	Homewood	1135.76	NM	NM	NM	1,124.33	11.43	23.8	24.17	-0.37	hard
LL9mw-004	Homewood	1131.83	NM	NM	NM	1,110.62	21.21	34.9	34.62	0.28	hard
LL9mw-005	Homewood	1130.93	NM	NM	NM	1,114.83	16.10	23.3	23.45	-0.15	hard
LL9mw-006	Homewood	1129.88	NM	NM	NM	1,110.96	18.92	28.9	28.80	0.10	hard
LL9mw-007	Homewood	1119.99	NM	NM	NM	1,110.69	9.30	18.5	18.06	0.44	hard

Table 3-1 JANUARY 2009 FWGMP Monitoring Well Measurements

Well	Monitoring Zone	Top of Casing (TOC) Elevation[a] (ft)	2008 2nd Quarter Groundwater Elevation (April/2008) (ft)	2008 3nd Quarter Groundwater Elevation (July/2008) (ft)	2008 4th Quarter Groundwater Elevation (Oct/2008) (ft)	2009 1st Quarter Groundwater Elevation (Jan/2009) (ft)	Depth to Water (ft below TOC) Jan/2009	Reported Construction Depth from TOC[a] (ft)	Jan/2009 Measured Depth from TOC (ft)	Jan/2009 Sediment Accumulation (ft)	Jan/2009 Description of Bottom
Loadline 10											
LL10mw-001	Homewood	1132.77	NM	NM	NM	1,107.67	25.10	29.8	29.53	0.27	hard
LL10mw-002	Homewood	1127.13	NM	NM	NM	1,109.33	17.80	29.7	29.70	0.00	hard
LL10mw-003	Homewood	1130.28	NM	NM	NM	1,109.33	20.95	28.9	28.49	0.41	hard
LL10mw-004	Homewood	1122.39	NM	NM	NM	1,108.97	13.42	33.8	33.49	0.31	hard
LL10mw-005	Homewood	1125.67	NM	NM	NM	1,109.92	15.75	29.3	29.15	0.15	hard
LL10mw-006	Unconsolidated	1123.83	NM	NM	NM	1,111.64	12.19	26.1	26.47	-0.37	hard
Loadline 11											
LL11mw-001	Unconsolidated	1100.16	NM	NM	NM	1,091.45	8.71	24.1	21.45	2.65	hard
LL11mw-003	Unconsolidated	1088.48	NM	NM	NM	1,087.78	0.70	15.9	16.02	-0.12	hard
LL11mw-004	Unconsolidated	1084.72	NM	NM	NM	1,084.32	0.40	16.2	16.14	0.06	hard
LL11mw-005	Unconsolidated	1079.40	NM	NM	NM	1,073.00	6.40	16	16.39	-0.39	hard
LL11mw-006	Unconsolidated	1086.50	NM	NM	NM	1,083.01	3.49	15.5	15.65	-0.15	hard
LL11mw-008	Unconsolidated	1087.74	NM	NM	NM	1,084.06	3.68	15.4	15.70	-0.30	hard
LL11mw-009	Unconsolidated	1091.54	NM	NM	NM	NM	FROZEN	16.6	NM	NM	frozen solid at 2'
LL11mw-010	Unconsolidated	1082.68	NM	NM	NM	1,078.95	3.73	23.4	23.39	0.01	hard
Building 1200											
BL12mw-010	Unconsolidated	1,005.92	991.19	988.73	985.57	986.77	19.15	23.2	22.82	0.38	hard
BL12mw-011	Unconsolidated	1,006.70	984.77	987.38	984.07	983.27	23.43	26.9	26.70	0.20	hard
BL12mw-012	Unconsolidated	1,006.32	982.20	987.61	983.86	981.60	24.72	24.9	24.80	0.10	hard
C-Block Quarry											
CBLmw-001	Homewood	1,181.08	1,141.78	1,140.43	1,136.98	1,136.26	44.82	51.6	49.70	1.90	hard
CBLmw-002	Homewood	1,175.24	1,141.14	1,139.93	1,136.56	1,136.09	39.15	47.2	47.32	-0.12	hard
CBLmw-003	Homewood	1,175.06	1,144.92	1,141.93	1,137.84	1,137.39	37.67	45.8	44.71	1.09	hard
CBLmw-004	Homewood	1,174.84	1,142.99	1,141.25	1,137.92	1,137.48	37.36	46.8	47.01	-0.21	hard
Central Burn Pits											
CBPmw-001	Unconsolidated	975.84	963.69	963.17	961.10	961.99	13.85	34.9	32.68	2.22	soft
CBPmw-002	Unconsolidated	970.04	962.02	962.18	958.98	959.63	10.41	32.2	31.94	0.26	medium
CBPmw-003	Unconsolidated	974.67	963.73	962.96	959.94	961.98	12.69	27.1	30.19	-3.09	hard
CBPmw-004	Unconsolidated	971.13	961.57	960.49	958.76	960.15	10.98	29.5	29.68	-0.18	medium
CBPmw-008	Unconsolidated	973.19	958.39	957.58	955.59	956.91	16.28	27.6	27.90	-0.30	hard
Cobbs Pond											
CPmw-001	Unconsolidated	975.26	973.31	970.76	968.47	972.32	2.94	15.3	14.74	0.56	hard
CPmw-002	Unconsolidated	972.31	972.31	971.32	967.71	972.21	0.10	15.1	14.99	0.11	hard, under pressure
CPmw-003	Unconsolidated	972.92	971.65	970.80	968.08	968.96	3.96	17.6	17.10	0.50	hard
CPmw-004	Unconsolidated	981.20	971.71	969.31	967.84	970.66	10.54	22.2	22.52	-0.32	hard
CPmw-005	Unconsolidated	973.58	963.76	962.57	960.79	962.15	11.43	42.4	43.16	-0.76	hard
CPmw-006	Unconsolidated	965.13	957.18	956.35	955.82	956.99	8.14	20.2	20.62	-0.42	medium

Table 3-1 JANUARY 2009 FWGMP Monitoring Well Measurements

Well	Monitoring Zone	Top of Casing (TOC) Elevation[a] (ft)	2008 2nd Quarter Groundwater Elevation (April/2008) (ft)	2008 3nd Quarter Groundwater Elevation (July/2008) (ft)	2008 4th Quarter Groundwater Elevation (Oct/2008) (ft)	2009 1st Quarter Groundwater Elevation (Jan/2009) (ft)	Depth to Water (ft below TOC) Jan/2009	Reported Construction Depth from TOC[a] (ft)	Jan/2009 Measured Depth from TOC (ft)	Jan/2009 Sediment Accumulation (ft)	Jan/2009 Description of Bottom
Detonation Area 2											
DA2mw-104	Unconsolidated	1,073.89	1,053.74	1,053.37	1,051.79	1,052.27	21.62	29.6	29.21	0.39	hard
DA2mw-105	Unconsolidated	1,045.34	1,041.99	1,041.76	1,041.85	1,042.11	3.23	16.2	16.20	0.00	hard
DA2mw-106	Unconsolidated	1,043.79	1,039.76	1,038.54	1,036.32	1,040.14	3.65	18.1	16.78	1.32	hard
DA2mw-108	Unconsolidated	1,032.36	1,027.01	1,026.16	1,025.79	1,026.57	5.79	16.9	17.16	-0.26	hard
DA2mw-109	Unconsolidated	1,071.29	1,059.92	1,057.52	1,054.12	1,057.45	13.84	24.1	24.32	-0.22	medium
DA2mw-110	Unconsolidated	1,063.78	1,057.37	1,054.85	1,051.56	1,055.63	8.15	21.9	22.34	-0.44	hard
DA2mw-111	Unconsolidated	1,042.12	1,037.88	1,037.86	1,023.42	1,037.62	4.50	14.8	14.78	0.02	hard
DA2mw-112	Unconsolidated	1,037.44	1,030.48	1,029.62	1,032.96	1,030.16	7.28	16.6	17.50	-0.90	hard
DA2mw-113	Unconsolidated	1,037.11	1,029.97	1,028.73	1,029.31	1,029.26	7.85	16.1	16.29	-0.19	hard
Erie Burning Grounds											
EBGmw-123	Unconsolidated	947.82	937.81	938.25	937.62	938.50	9.32	33.7	34.73	-1.03	medium
EBGmw-124	Unconsolidated	941.39	937.44	938.20	937.58	938.41	2.98	32.9	32.71	0.19	medium
EBGmw-125	Unconsolidated	949.89	937.33	938.17	937.44	938.44	11.45	26.8	27.43	-0.63	hard
EBGmw-126	Unconsolidated	940.61	938.59	938.32	937.62	938.62	1.99	27.9	27.81	0.09	medium
EBGmw-127	Unconsolidated	943.07	938.92	936.72	937.47	938.84	4.23	32.4	32.84	-0.44	hard
EBGmw-128	Unconsolidated	945.13	938.46	938.31	937.29	938.82	6.31	28.0	28.20	-0.20	hard
EBGmw-129	Unconsolidated	944.36	939.25	938.23	936.99	939.02	5.34	28.4	30.96	-2.56	medium
EBGmw-130	Unconsolidated	944.00	937.63	937.30	936.44	937.91	6.09	28.3	28.37	-0.07	hard
Fuze & Booster Quarry											
FBQmw-166	Unconsolidated	1,108.86	1,104.11	1,103.71	1,102.54	1,104.15	4.71	19.5	19.72	-0.22	hard
FBQmw-167	Unconsolidated	1,115.90	1,111.72	1,111.01	1,109.67	1,111.41	4.49	18.9	18.97	-0.07	hard
FBQmw-168	Homewood	1,133.91	1,125.12	1,121.67	1,120.43	1,121.76	12.15	21.6	21.21	0.39	medium
FBQmw-169	Homewood	1,120.58	1,115.88	1,113.70	1,112.16	1,115.10	5.48	18.2	18.57	-0.37	hard
FBQmw-170	Homewood	1,142.26	1,128.26	1,123.62	1,121.90	1,122.31	19.95	32.6	32.69	-0.09	hard
FBQmw-171	Homewood	1,143.55	1,129.95	1,125.43	1,122.16	1,124.35	19.20	31.1	31.39	-0.29	hard
FBQmw-172	Homewood	1,150.09	1,126.51	1,124.31	1,121.16	1,121.27	28.82	34.4	34.40	0.00	hard
FBQmw-173	Homewood	1,165.94	1,124.26	1,123.69	1,121.34	1,120.59	45.35	53.0	51.75	1.25	medium
FBQmw-174	Homewood	1,139.97	1,127.80	1,123.95	1,120.88	1,121.59	18.38	26.2	22.84	3.36	hard
FBQmw-175	Homewood	1,140.73	1,126.85	1,123.85	1,120.97	1,121.00	19.73	25.6	25.80	-0.20	hard
FBQmw-176	Unconsolidated	1,131.91	1,125.06	1,122.81	1,120.73	1,122.38	9.53	23.3	23.87	-0.57	soft
FBQmw-177	Homewood	1,128.57	1,118.17	1,115.82	1,102.82	1,115.26	13.31	24.8	24.74	0.06	medium
Landfill North of Winklepeck											
LNWmw-024	Unconsolidated	1,038.00	1,027.58	1,025.90	1,028.85	1,025.58	12.42	22.7	22.52	0.18	hard
LNWmw-025	Unconsolidated	1,029.13	1,025.25	1,024.17	1,023.44	1,024.09	5.04	19.9	20.30	-0.40	hard
LNWmw-026	Unconsolidated	1,027.80	1,024.25	1,022.17	1,013.59	1,023.93	3.87	25.8	25.97	-0.17	hard
LNWmw-027	Unconsolidated	1,027.13	1,021.38	1,020.41	1,013.81	1,020.43	6.70	26.7	26.86	-0.16	hard

Table 3-1 JANUARY 2009 FWGMP Monitoring Well Measurements

Well	Monitoring Zone	Top of Casing (TOC) Elevation[a] (ft)	2008 2nd Quarter Groundwater Elevation (April/2008) (ft)	2008 3nd Quarter Groundwater Elevation (July/2008) (ft)	2008 4th Quarter Groundwater Elevation (Oct/2008) (ft)	2009 1st Quarter Groundwater Elevation (Jan/2009) (ft)	Depth to Water (ft below TOC) Jan/2009	Reported Construction Depth from TOC[a] (ft)	Jan/2009 Measured Depth from TOC (ft)	Jan/2009 Sediment Accumulation (ft)	Jan/2009 Description of Bottom
NACA Test Area											
NTAmw-107	Unconsolidated	1,080.30	1,068.92	1,067.55	1,066.82	1,067.95	12.35	24.6	24.25	0.35	medium
NTAmw-108	Unconsolidated	1,085.62	1,069.21	1,067.83	1,067.12	1,068.16	17.46	24.4	24.48	-0.08	soft
NTAmw-109	Unconsolidated	1,079.84	1,069.51	1,067.72	1,067.01	1,072.19	7.65	20.9	20.89	0.01	soft
NTAmw-110	Unconsolidated	1,082.62	1,069.83	1,068.32	1,067.33	1,068.64	13.98	29.6	29.74	-0.14	medium
NTAmw-111	Unconsolidated	1,080.94	1,072.68	1,077.05	1,073.84	1,077.67	3.27	22.4	23.06	-0.66	hard
NTAmw-112	Unconsolidated	1,078.33	1,070.57	1,069.37	1,068.32	1,069.63	8.70	26.9	26.60	0.30	medium
NTAmw-113	Unconsolidated	1,075.68	1,069.94	1,068.73	1,067.63	1,068.99	6.69	30.6	29.30	1.30	soft
NTAmw-114	Unconsolidated	1,078.71	1,073.58	1,072.54	1,070.86	1,072.79	5.92	22.6	21.74	0.86	hard
NTAmw-115	Unconsolidated	1,089.65	1,076.53	1,075.60	1,073.90	1,075.86	13.79	25.2	25.27	-0.07	hard
NTAmw-116	Unconsolidated	1,094.33	1,089.70	1,087.98	1,086.44	1,089.54	4.79	22.6	21.53	1.07	hard
NTAmw-117	Unconsolidated	1,094.54	1,081.85	1,080.89	1,078.77	1,081.57	12.97	27.4	27.50	-0.10	hard
NTAmw-118	Unconsolidated	1,081.44	1,073.72	1,072.67	1,071.06	1,072.89	8.55	24.6	24.09	0.51	hard
Ramsdell Quarry											
RQLmw-012	Sharon	977.65	957.46	956.93	953.63	953.71	23.94	32.5	32.61	-0.11	hard
RQLmw-013	Sharon	980.71	955.97	956.39	953.29	953.39	27.32	36.6	36.42	0.18	medium
RQLmw-014	Sharon	973.49	955.16	954.46	951.56	951.80	21.69	31.6	31.15	0.45	soft
RQLmw-015	Sharon	991.26	960.46	961.77	958.15	957.43	33.83	41.6	41.86	-0.26	hard
RQLmw-016	Sharon	996.6	961.71	962.80	965.15	959.12	37.48	41.6	41.59	0.01	medium
RQLmw-017	Sharon	991.23	962.54	963.00	954.73	959.65	31.58	32.5	32.71	-0.21	hard
Winklepeck Burning Grounds											
WBGmw-005	Unconsolidated	1,054.70	1,050.38	1,048.87	1,046.70	1,049.11	5.59	21.1	21.10	0.00	hard
WBGmw-008	Unconsolidated	1,008.21	993.89	993.22	992.05	993.72	14.49	21.0	20.80	0.20	hard
WBGmw-010	Unconsolidated	1,069.85	1,063.85	1,061.79	1,060.22	1,061.84	8.01	23.6	23.30	0.30	medium
WBGmw-011	Unconsolidated	1,072.38	1,063.43	1,061.77	1,060.44	1,061.68	10.70	24.0	23.85	0.15	medium
WBGmw-012	Unconsolidated	1,079.11	1,060.21	1,063.50	1,054.81	1,054.20	24.91	32.0	31.55	0.45	medium
WBGmw-013	Unconsolidated	1,071.70	1,062.52	1,061.21	1,059.40	1,059.59	12.11	23.9	24.09	-0.19	medium
WBGmw-014	Unconsolidated	996.78	982.09	980.45	979.10	980.76	16.02	25.0	24.97	0.03	hard
WBGmw-015	Unconsolidated	1,011.60	1,001.40	999.04	996.85	1,000.20	11.40	23.8	23.51	0.29	hard
WBGmw-016	Unconsolidated	997.03	981.80	979.91	978.44	979.74	17.29	25.4	25.20	0.20	medium
WBGmw-017	Unconsolidated	1,006.62	999.47	997.49	994.93	998.23	8.39	23.9	23.72	0.18	hard
Suspected Mustard Agent Burial Site											
MBSmw-001	Unconsolidated	1,082.20	1,065.75	1,064.61	1,063.80	1,064.71	17.49	31.5	30.92	0.58	soft
MBSmw-002	Unconsolidated	1,083.22	1,066.38	1,065.21	1,064.35	1,065.21	18.01	30.7	30.33	0.37	medium
MBSmw-003	Unconsolidated	1,084.45	1,066.91	1,065.92	1,064.90	1,065.60	18.85	30.5	30.68	-0.18	hard
MBSmw-004	Unconsolidated	1,081.80	1,066.11	1,065.13	1,064.17	1,064.95	16.85	27.0	26.52	0.48	soft
MBSmw-005	Unconsolidated	1,082.42	1,065.70	1,064.57	1,063.78	1,064.67	17.75	30.2	29.99	0.21	soft
MBSmw-006	Unconsolidated	1,081.83	1,065.64	1,064.53	1,063.71	1,064.63	17.20	28.2	28.13	0.07	medium

a = Elevations are in feet above mean sea level (amsl)
NM = New wells added to the sampling schedule, not measured in all quarters

Table 3-2. Wells To Be Redeveloped In 2009

Well ID	Reported bottom	Jan-09 Depth to Bottom	Jan-09 sediment accumulation	July-08 sediment accumulation	October-07 sediment accumulation	Jul-08 Depth to Bottom	Oct-07 Depth to Bottom
ASYmw-001	23.7	23.05	0.65	0.40	0.52	23.30	23.18
ASYmw-003	23.5	22.90	0.60	-0.10	-0.02	23.60	23.52
B12mw-010	23.2	22.82	0.38	0.29	0.28	22.91	22.92
LL12mw-113	25.0	19.62	5.38	6.04	4.57	18.96	20.43
LL12mw-243	25.7	24.65	1.05	0.23	-0.10	25.47	25.8
LL12mw-244	32.1	29.34	2.76	1.13	0.43	30.97	31.67
LL12mw-245	30.5	29.98	0.52	0.31	0.05	30.19	30.45
LL6mw-004	25.1	24.50	0.60	0.40	0.49	24.70	24.61
LL7mw-002	27.8	27.14	0.66	0.43	0.52	27.37	27.28
LL7mw-003	33.6	33.32	0.28	-0.11	-0.04	33.71	33.64
LL7mw-004	32.5	32.17	0.33	0.12	0.16	32.38	32.34
LL7mw-005	30.6	30.31	0.29	0.07	0.16	30.53	30.44
LL8mw-002	32.8	32.53	0.27	0.06	0.14	32.74	32.66
LL8mw-003	23.3	22.95	0.35	0.10	0.17	23.20	23.13
LL8mw-004	23.0	22.60	0.40	0.13	0.26	22.87	22.74
LL9mw-004	34.9	34.62	0.28	-0.93	0.16	35.83	34.74
LL9mw-007	18.5	18.06	0.44	0.22	0.27	18.28	18.23

indicative of groundwater contamination, however a full evaluation of the conditions at these wells will be conducted once all of the wells have been sampled.

Finally it should be noted that all of the referenced wells are bedrock wells. Most are Sharon wells which have a high silica content sandstone. The Homewood wells are installed in a sandstone formation. High silica content results in little, if any, buffering capacity which can result in lower pH.

pH Levels for Selected Wells

Well ID	April 2008 pH Range	July 2008 pH Range	October 2008 pH Range	January 2009 pH Range
B12mw-010	4.32 – 4.42	4.95 – 5.51	5.15 – 5.19	5.72 – 5.77
CBLmw-002	3.84 – 4.62	4.8 – 4.84	6.0 – 4.80	5.63 – 6.12
FBQmw-170	5.16 – 6.35	4.93 – 5.26	5.01 0 5.65	4.56 – 4.6
FBQmw-171	4.87 – 4.88	4.84 – 4.94	6.32 – 5.69	5.37 – 4.94
FBQmw-174	4.66 – 4.92	4.83 – 4.91	5.76 – 5.82	5.22 – 5.3
FBQmw-175	4.35 – 4.41	5.06 – 5.09	5.68 – 5.37	4.51 – 4.74
RQLmw-012	4.8 – 6.03	4.41 – 4.5	4.25 – 3. 96	5.11 – 5.45
RQLmw-013	4.5 – 4.51	3.54 – 3.63	5.31 – 3.91	3.81 – 3.87

Additionally LL9 wells mw-006 and mw-007 had pH readings during purging and sampling at values less than 5 (4.5 – 4.92). This is the first quarter of monitoring for these wells. This condition will be monitored for the 2009 sampling and analysis events.

3.2 Summary of Analytical Results

Summaries of laboratory analytical results are presented in Tables 3-3, 3-4, 3-6, 3-7, and 3-8. Appendix E 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 E. While reviewing the summary of analytical results please note the following:

- 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 3-5.

- As discussed in Section 3.3, under the data validation process data are 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 are 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 Section 3.3 and to the Data Verification Summary Reports found in Appendix E.

- For purposes of consistency, all detected concentrations that are elevated above both 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 the 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, metals, SVOCs, and pesticides currently do not meet the RVAAP QAPP reporting limits or Region 9 preliminary remediation goals (PRGs). Tables listing the reporting limits that currently do not meet the RVAAP QAPP PQLs and/or Region 9 PRG levels are presented in Appendix G.

3.2.1 Explosives and Propellants

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

- 1,3,5-Trinitrobenzene – LL5mw-004 (0.042 µg/L J), LL5mw-005 (0.048 µg/L J), LL6mw-002 (0.046 µg/L J), LL6mw-003 (0.471 µg/L J), LL6mw-004 (0.046 µg/L J), LL6mw-005 (0.038 µg/L J), LL7mw-0.039 µg/L J), LL7mw-002 (0.043 µg/L J), LL7mw-003 (0.043 µg/L J), LL7mw-004 (0.048 µg/L J), LL7mw-005 (0.057 µg/L J), LL8mw-002 (0.043 µg/L J), LL8mw-004 (0.044 µg/L J), LL9mw-001 (0.038 µg/L J), LL9mw-005 (0.052 µg/L J), LL11mw-001 (0.059 µg/L J), LL11mw-003 (0.050 µg/L J), LL11mw-004 (0.043 µg/L J), LL11mw-005 (0.043 µg/L J), LL11mw-006 (0.057 µg/L J), LL11mw-008 (0.059 µg/L J), Ll11mw-010 (0.043 µg/L J), CBLmw-004 (0.048 µg/L J), CBPmw-003 (0.356 µg/L J), CPmw-006 (0.097 µg/L J B), DA2mw-104 (0.046 µg/L J), DA2mw-105 (0.054 µg/L J), DA2mw-109 (0.049 µg/L J), DA2mw-111 (0.075 µg/L J), EBGmw-130 (0.044 µg/L J), FBQmw-168 (0.046 µg/L J), FBQmw-170 (0.042 µg/L J), FBQmw-171 (0.052 µg/L J), FBQmw-175 (0.056 µg/L J), FBQmw-176 (0.058 µg/L J), LNWmw-026 (0.049 (0.049 µg/L J), LNWmw-027 (0.065 µg/L J), NTAmw-107 (0.052 µg/L J), NTAmw-108 (0.063 µg/L J), NTAmw-115 (0.047 µg/L J), NTAmw-116 (0.056 µg/L J), NTAmw-117 (0.052 µg/L J), RQLmw-016 (0.050 µg/L J), WBGmw-011 (0.062 µg/L J B). There is no MCL for 1,3,5-Trinitrobenzene. The Region 9 PRG is 1,100 µg/L.

- 2,4,6-Trinitrotoluene –FBQmw-174 (49 µg/L). There is no MCL for 2,4,6-Trinitrotoluene. The Region 9 PRG is 2.2 µg/L.

- 2,4-Dinitrotoluene – WBGmw-013 (0.059 µg/L J). There is no MCL for 2,4-Dinitrotoluene. The Region 9 PRG is 73 µg/L.

- 2,6-Dinitrotoluene – LL9mw-002 (0.61 µg/L), LL9mw-007 (0.084 µg/L J), LL10mw-002 (0.089 µg/L J), DA2mw-111 (0.050 µg/L J), DA2mw-113 (0.054 µg/L J), LNWmw-026 (0.057 µg/L J). There is no MCL for 2,6-Dinitrotoluene. The Region 9 PRG is 36 µg/L.

- 2-Amino-4,6-dinitrotoluene – FBQmw-168 (0.31 µg/L J), FBQmw-174 (28 µg/L), WBGmw-013 (0.93 µg/L). There is no MCL or Region 9 PRG for 2-Amino-4,6-dinitrotoluene.

- 4-Amino-2,6-dinitrotoluene – LL11mw-004 (0.061 µg/L J), FBQmw-168 (0.36 µg/L J), FBQmw-174 (30 µg/L), WBGmw-013 (0.50 µg/L J). There is no MCL or Region 9 PRG for 4-Amino-2,6-dinitrotoluene.

- HMX – LL7mw-006 (0.056 µg/L), LL11mw-004 (0.083 µg/L J), LL11mw-010 (0.041 µg/L J), FBQmw-174 (0.23 µg/L J), RQLmw-012 (0.060 µg/L J). There is no MCL for HMX. The Region 9 PRG is 1,800 µg/L.

- Nitrobenzene – LL10mw-001 (0.061 µg/L J), LL11mw-005 (0.010 µg/L J B), DA2mw-112 (0.056 µg/L J), EBGmw-126 (0.096 µg/L J), LNWmw-026 (0.070 µg/L J), NTAmw-115 (0.079 µg/L J), WBGmw-017 (0.081 µg/L J). There is no MCL for nitrobenzene. The Region 9 PRG is 3.4 µg/L.

- Nitrocellulose – B12mw-010 (0.13 µg/L J B), EBGmw-128 (0.13 µg/L J B). There is no MCL or Region 9 PRG for Nitrocellulose.

- RDX – LL17mw-006 (0.25 µg/L), RQLmw-012 (0.23 µg/L). There is no MCL for RDX. The Region 9 PRG is 0.61 µg/L.

As shown in Table 3-3, the only explosive/propellant detected at levels above the Region 9 PRGs during the January 2009 event was:

- 2,4,6-Trinitrotoluene – FBQmw-174 (49 µg/L). The Region 9 PRG for 2,4,6-trinitrotoluene is 2.2 µg/L.

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				LL1mw-064	LL5mw-001	LL5mw-002	LL5mw-003	LL5mw-004	LL5mw-005	LL5mw-006
Sample ID		MCL	Region 9 PRG	FWGLL1mw-064C-1128-GW	FWGLL5mw-001C-1129-GW	FWGLL5mw-002C-1130-GW	FWGLL5mw-003C-1131-GW	FWGLL5mw-004C-1132-GW	FWGLL5mw-005C-1133-GW	FWGLL5mw-006C-1134-GW
Date Collected				1/22/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.097 U	0.10 U	0.096 U	0.099 U	**0.042 J**	**0.048 J**	0.099 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
2,4-Dinitrotoluene	µg/L	NS	73	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
2,6-Dinitrotoluene	µg/L	NS	36	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
2-Nitrotoluene	µg/L	NS	0.049	0.48 U	0.52 U	0.48 U	0.50 U	0.52 U	0.51 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.48 U	0.52 U	0.48 U	0.50 U	0.52 U	0.51 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
4-Nitrotoluene	µg/L	NS	0.66	0.48 U	0.52 U	0.48 U	0.50 U	0.52 U	0.51 U	0.50 U
HMX	µg/L	NS	1800	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
Nitrobenzene	µg/L	NS	3.4	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
Nitrocellulose	mg/L	NS	NS	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.63 U	0.67 U	0.62 U	0.64 U	0.68 U	0.66 U	0.64 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.63 U	0.67 U	0.62 U	0.64 U	0.68 U	0.66 U	0.64 U
RDX	µg/L	NS	0.61	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U
Tetryl	µg/L	NS	360	0.097 U	0.10 U	0.096 U	0.099 U	0.10 U	0.10 U	0.099 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				LL6mw-001	LL6mw-002	LL6mw-003	LL6mw-004	LL6mw-005	LL6mw-006	LL6mw-007
Sample ID		MCL	Region 9 PRG	FWGLL6mw-001C-1135-GW	FWGLL6mw-002C-1136-GW	FWGLL6mw-003C-1137-GW	FWGLL6mw-004C-1138-GW	FWGLL6mw-005C-1139-GW	FWGLL6mw-006C-1140-GW	FWGLL6mw-007C-1141-GW
Date Collected				1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	**0.046 J**	**0.047 J**	**0.046 J**	**0.038 J**	0.11 U	0.10 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.52 U	0.52 U	0.48 U	0.52 U	0.54 U	0.53 U	0.52 U
3-Nitrotoluene	µg/L	NS	120	0.52 U	0.52 U	0.48 U	0.52 U	0.54 U	0.53 U	0.52 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.52 U	0.52 U	0.48 U	0.52 U	0.54 U	0.53 U	0.52 U
HMX	µg/L	NS	1800	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.68 U	0.67 U	0.63 U	0.67 U	0.70 U	0.69 U	0.68 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.68 U	0.67 U	0.63 U	0.67 U	0.70 U	0.69 U	0.68 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.097 U	0.10 U	0.11 U	0.11 U	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				LL7mw-001	LL7mw-002	LL7mw-003	LL7mw-004	LL7mw-005	LL7mw-006	LL8mw-001
Sample ID		MCL	Region 9 PRG	FWGLL7mw-001C-1142-GW	FWGLL7mw-002C-1143-GW	FWGLL7mw-003C-1144-GW	FWGLL7mw-004C-1145-GW	FWGLL7mw-005C-1146-GW	FWGLL7mw-006C-1147-GW	FWGLL8mw-001C-1148-GW
Date Collected				1/22/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.039 J**	**0.043 J**	**0.043 J**	**0.048 J**	**0.057 J**	0.11 U	0.096 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U
2,4-Dinitrotoluene	µg/L	NS	73	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U
2,6-Dinitrotoluene	µg/L	NS	36	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U
2-Nitrotoluene	µg/L	NS	0.049	0.48 U	0.49 U	0.50 U	0.50 U	0.56 U	0.57 U	0.48 U
3-Nitrotoluene	µg/L	NS	120	0.48 U	0.49 U	0.50 U	0.50 U	0.56 U	0.57 U	0.48 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U
4-Nitrotoluene	µg/L	NS	0.66	0.48 U	0.49 U	0.50 U	0.50 U	0.56 U	0.57 U	0.48 U
HMX	µg/L	NS	1800	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	**0.056 J**	0.096 U
Nitrobenzene	µg/L	NS	3.4	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U
Nitrocellulose	mg/L	NS	NS	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
Nitroglycerin	µg/L	NS	4.8	0.62 U	0.64 U	0.64 U	0.66 U	0.73 U	0.74 U	0.62 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.62 U	0.64 U	0.64 U	0.66 U	0.73 U	0.74 U	0.62 U
RDX	µg/L	NS	0.61	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	**0.25 J**	0.096 U
Tetryl	µg/L	NS	360	0.095 U	0.098 U	0.099 U	0.10 U	0.11 U	0.11 U	0.096 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				LL8mw-002	LL8mw-003	LL8mw-004	LL8mw-005	LL8mw-006	LL9mw-001	LL9mw-002	LL9mw-003
Sample ID		MCL	Region 9 PRG	FWGLL8mw-002C-1149-GW	FWGLL8mw-003C-1150-GW	FWGLL8mw-004C-1151-GW	FWGLL8mw-005C-1152-GW	FWGLL8mw-006C-1153-GW	FWGLL9mw-001C-1154-GW	FWGLL9mw-002C-1155-GW	FWGLL9mw-003C-1156-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.043 J**	0.11 U	**0.044 J**	0.11 U	0.11 U	**0.038 J**	0.10 U	0.097 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
2,4-Dinitrotoluene	µg/L	NS	73	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
2,6-Dinitrotoluene	µg/L	NS	36	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	**0.061 J**	0.097 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
2-Nitrotoluene	µg/L	NS	0.049	0.48 U	0.55 U	0.48 U	0.54 U	0.57 U	0.48 U	0.50 U	0.48 U
3-Nitrotoluene	µg/L	NS	120	0.48 U	0.55 U	0.48 U	0.54 U	0.57 U	0.48 U	0.50 U	0.48 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
4-Nitrotoluene	µg/L	NS	0.66	0.48 U	0.55 U	0.48 U	0.54 U	0.57 U	0.48 U	0.50 U	0.48 U
HMX	µg/L	NS	1800	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
Nitrobenzene	µg/L	NS	3.4	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
Nitrocellulose	mg/L	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Nitroglycerin	µg/L	NS	4.8	0.63 U	0.72 U	0.62 U	0.71 U	0.74 U	0.63 U	0.66 U	0.63 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.63 U	0.72 U	0.62 U	0.71 U	0.74 U	0.63 U	0.66 U	0.63 U
RDX	µg/L	NS	0.61	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U
Tetryl	µg/L	NS	360	0.097 U	0.11 U	0.096 U	0.11 U	0.11 U	0.097 U	0.10 U	0.097 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				LL9mw-004	LL9mw-005	LL9mw-006	LL9mw-007	LL10mw-001	LL10mw-002
Sample ID		MCL	Region 9 PRG	FWGLL9mw-004C-1157-GW	FWGLL9mw-005C-1158-GW	FWGLL9mw-006C-1159-GW	FWGLL9mw-007C-1160-GW	FWGLL10mw-001C-1161-GW	FWGLL10mw-002C-1162-GW
Date Collected				1/22/2009	1/23/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.095 U	**0.052 J**	0.097 U	0.10 U	0.10 U	0.10 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.095 U	0.098 U	0.097 U	**0.084 J**	0.10 U	**0.089 J**
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.48 U	0.49 U	0.48 U	0.50 U	0.52 U	0.52 U
3-Nitrotoluene	µg/L	NS	120	0.48 U	0.49 U	0.48 U	0.50 U	0.52 U	0.52 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.48 U	0.49 U	0.48 U	0.50 U	0.52 U	0.52 U
HMX	µg/L	NS	1800	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.095 U	0.098 U	0.097 U	0.10 U	**0.061 J**	0.10 U
Nitrocellulose	mg/L	NS	NS	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
Nitroglycerin	µg/L	NS	4.8	0.62 U	0.64 U	0.63 U	0.65 U	0.68 U	0.68 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.62 U	0.64 U	0.63 U	0.65 U	0.68 U	0.68 U
RDX	µg/L	NS	0.61	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U
Tetryl	µg/L	NS	360	0.095 U	0.098 U	0.097 U	0.10 U	0.10 U	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				LL10mw-003	LL10mw-004	LL10mw-005	LL10mw-006	LL11mw-001	LL11mw-003	LL11mw-004
Sample ID		MCL	Region 9 PRG	FWGLL10mw-003C-1163-GW	FWGLL10mw-004C-1164-GW	FWGLL10mw-005C-1165-GW	FWGLL10mw-006C-1166-GW	FWGLL11mw-001C-1167-GW	FWGLL11mw-003C-1168-GW	FWGLL11mw-004C-1169-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009	1/23/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.096 U	0.096 U	0.096 U	0.096 U	**0.059 J**	**0.050 J**	**0.043 J**
1,3-Dinitrobenzene	µg/L	NS	3.6	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U	0.51 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U	0.51 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	**0.061 J**
4-Nitrotoluene	µg/L	NS	0.66	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U	0.51 U	0.50 U
HMX	µg/L	NS	1800	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	**0.083 J**
Nitrobenzene	µg/L	NS	3.4	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U
Nitrocellulose	mg/L	NS	NS	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.62 U	0.62 U	0.62 U	0.62 U	0.65 U	0.66 U	0.65 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.62 U	0.62 U	0.62 U	0.62 U	0.65 U	0.66 U	0.65 U
RDX	µg/L	NS	0.61	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U
Tetryl	µg/L	NS	360	0.096 U	0.096 U	0.096 U	0.096 U	0.10 U	0.10 U	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				LL11mw-005	LL11mw-006	LL11mw-008	LL11mw-010	B12mw-010	B12mw-011	CBLmw-001
Sample ID		MCL	Region 9 PRG	FWGLL11mw-005C-1170-GW	FWGLL11mw-006C-1171-GW	FWGLL11mw-008C-1172-GW	FWGLL11mw-010C-1174-GW	FWGB12mw-010C-1175-GW	FWGB12mw-011C-1176-GW	FWGCBLmw-001C-1178-GW
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/19/2009	1/19/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.043 J**	**0.057 J**	**0.059 J**	**0.043 J**	0.11 U	0.10 U	0.11 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.099 U	0.097 J	0.11 U	0.10 U	0.11 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U
2-Nitrotoluene	µg/L	NS	0.049	0.52 U	0.50 U	0.50 U	0.48 U	0.56 U	0.50 U	0.54 U
3-Nitrotoluene	µg/L	NS	120	0.52 U	0.50 U	0.50 U	0.48 U	0.56 U	0.50 U	0.54 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U
4-Nitrotoluene	µg/L	NS	0.66	0.52 U	0.50 U	0.50 U	0.48 U	0.56 U	0.50 U	0.54 U
HMX	µg/L	NS	1800	0.083 J	0.10 U	0.099 U	**0.041 J**	0.11 U	0.10 U	0.11 U
Nitrobenzene	µg/L	NS	3.4	**0.10 JB**	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	**0.13 JB**	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.68 U	0.65 U	0.64 U	0.63 U	0.73 U	0.66 U	0.70 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.68 U	0.65 U	0.64 U	0.63 U	0.73 U	0.66 U	0.70 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.099 U	0.097 U	0.11 U	0.10 U	0.11 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				CBLmw-002	CBLmw-003	CBLmw-004	CBPmw-001	CBPmw-002	CBPmw-003	CBPmw-004
Sample ID		MCL	Region 9 PRG	FWGCBLmw-002C-1179-GW	FWGCBLmw-003C-1180-GW	FWGCBLmw-004C-1181-GW	FWGCBPmw-001C-1182-GW	FWGCBPmw-002C-1183-GW	FWGCBPmw-003C-1184-GW	FWGCBPmw-004C-1185-GW
Date Collected				1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	0.10 U	**0.048 J**	0.095 U	0.099 U	**0.035 J**	0.096 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
2-Nitrotoluene	µg/L	NS	0.049	0.51 U	0.50 U	0.54 U	0.48 U	0.50 U	0.54 U	0.48 U
3-Nitrotoluene	µg/L	NS	120	0.51 U	0.50 U	0.54 U	0.48 U	0.50 U	0.54 U	0.48 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
4-Nitrotoluene	µg/L	NS	0.66	0.51 U	0.50 U	0.54 U	0.48 U	0.50 U	0.54 U	0.48 U
HMX	µg/L	NS	1800	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.66 U	0.66 U	0.71 U	0.38 J	0.64 U	0.70 U	0.62 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.66 U	0.66 U	0.71 U	0.62 U	0.64 U	0.70 U	0.62 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.11 U	0.095 U	0.099 U	0.11 U	0.096 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				CBPmw-008	CPmw-001	CPmw-002	CPmw-003	CPmw-004	CPmw-005	CPmw-006
Sample ID		MCL	Region 9 PRG	FWGCBPmw-008C-1186-GW	FWGCPmw-001C-1187-GW	FWGCPmw-002C-1188-GW	FWGCPmw-003C-1189-GW	FWGCPmw-004C-1190-GW	FWGCPmw-005C-1191-GW	FWGCPmw-006C-1192-GW
Date Collected				1/21/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	**0.097 JB**
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
2-Nitrotoluene	µg/L	NS	0.049	0.50 U	0.50 U	0.50 U	0.49 U	0.58 U	0.54 U	0.48 U
3-Nitrotoluene	µg/L	NS	120	0.50 U	0.50 U	0.50 U	0.49 U	0.58 U	0.54 U	0.48 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
4-Nitrotoluene	µg/L	NS	0.66	0.50 U	0.50 U	0.50 U	0.49 U	0.58 U	0.54 U	0.48 U
HMX	µg/L	NS	1800	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.65 U	0.66 U	0.66 U	0.64 U	0.75 U	0.70 U	0.63 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.65 U	0.66 U	0.66 U	0.64 U	0.75 U	0.70 U	0.63 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.10 U	0.098 U	0.12 U	0.11 U	0.097 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				DA2mw-104	DA2mw-105	DA2mw-106	DA2mw-108	DA2mw-109	DA2mw-110	DA2mw-111
Sample ID		MCL	Region 9 PRG	FWGDA2MW-104C-1193-GW	FWGDA2mw-105C-1194-GW	FWGDA2mw-106C-1195-GW	FWGDA2mw-108C-1196-GW	FWGDA2MW-109C-1197-GW	FWGDA2mw-110C-1198-GW	FWGDA2mw-111C-1199-GW
Date Collected				1/23/2009	1/26/2009	1/26/2009	1/26/2009	1/23/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.046 J**	**0.054 J**	0.11 U	0.10 U	**0.049 J**	0.099 U	**0.075 J**
1,3-Dinitrobenzene	µg/L	NS	3.6	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.098 U	**0.060 J**	0.11 U	0.10 U	0.10 U	0.099 U	**0.050 J**
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.49 U	0.50 U	0.56 U	0.50 U	0.50 U	0.50 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.49 U	0.50 U	0.56 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.49 U	0.50 U	0.56 U	0.50 U	0.50 U	0.50 U	0.50 U
HMX	µg/L	NS	1800	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.64 U	0.64 U	0.73 U	0.66 U	0.66 U	0.64 U	0.65 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.64 U	0.64 U	0.73 U	0.66 U	0.66 U	0.64 U	0.65 U
RDX	µg/L	NS	0.61	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U
Tetryl	µg/L	NS	360	0.098 U	0.099 U	0.11 U	0.10 U	0.10 U	0.099 U	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				DA2mw-112	DA2mw-113	EBGmw-123	EBGmw-124	EBGmw-125	EBGmw-126	EBGmw-127
Sample ID		MCL	Region 9 PRG	FWGDA2mw-112C-1200-GW	FWGDA2mw-113C-1201-GW	FWGEBGmw-123C-1202-GW	FWGEBGmw-124C-1203-GW	FWGEBGmw-125C-1204-GF	FWGEBGMW-126C-1205-GW	FWGEBGmw-127C-1206-GW
Date Collected				1/26/2009	1/26/2009	1/20/2009	1/20/2009	1/20/2009	1/22/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	**0.054 J**	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
2-Nitrotoluene	µg/L	NS	0.049	0.51 U	0.54 U	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.51 U	0.54 U	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
4-Nitrotoluene	µg/L	NS	0.66	0.51 U	0.54 U	0.48 U	0.48 U	0.48 U	0.48 U	0.50 U
HMX	µg/L	NS	1800	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
Nitrobenzene	µg/L	NS	3.4	**0.056 J**	0.11 U	0.096 U	0.096 U	0.097 U	**0.096 J**	0.099 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.66 U	0.70 U	0.62 U	0.62 U	0.63 U	0.63 U	0.64 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.66 U	0.70 U	0.62 U	0.62 U	0.63 U	0.63 U	0.64 U
RDX	µg/L	NS	0.61	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U
Tetryl	µg/L	NS	360	0.10 U	0.11 U	0.096 U	0.096 U	0.097 U	0.097 U	0.099 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				EBGmw-128	EBGmw-129	EBGmw-130	FBQmw-166	FBQmw-167	FBQmw-168	FBQmw-169
Sample ID		MCL	Region 9 PRG	FWGEBGmw-128C-1207-GW	FWGEBGmw-129C-1208-GW	FWGEBGmw-130C-1209-GW	FWGFBQmw-166C-1210-GW	FWGFBQmw-167C-1211-GW	FWGFBQmw-168C-1212-GW	FWGFBQmw-169C-1213-GW
Date Collected				1/20/2009	1/20/2009	1/21/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	0.096 U	**0.044 J**	0.099 U	0.10 U	**0.046 J**	0.10 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	**0.31 J**	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.50 U	0.48 U	0.48 U	0.50 U	0.51 U	0.50 UJ	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.50 U	0.48 U	0.48 U	0.50 U	0.51 U	0.50 UJ	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	**0.36 J**	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.50 U	0.48 U	0.48 U	0.50 U	0.51 U	0.50 UJ	0.50 U
HMX	µg/L	NS	1800	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U
Nitrocellulose	mg/L	NS	NS	**0.13 JB**	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.65 U	0.62 U	0.63 U	0.64 U	0.66 U	0.65 UJ	0.66 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.65 U	0.62 U	0.63 U	0.64 U	0.66 U	0.65 UJ	0.66 U
RDX	µg/L	NS	0.61	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U
Tetryl	µg/L	NS	360	0.10 U	0.096 U	0.097 U	0.099 U	0.10 U	0.10 UJ	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				FBQmw-170	FBQmw-171	FBQmw-172	FBQmw-173	FBQmw-174	FBQmw-175	FBQmw-176
Sample ID		MCL	Region 9 PRG	FWGFBQmw-170C-1214-GW	FWGFBQmw-171C-1215-GW	FWGFBQmw-172C-1216-GW	FWGFBQmw-173C-1217-GW	FWGFBQmw-174C-1218-GW	FWGFBQmw-175C-1219-GW	FWGFBQmw-176C-1220-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.042 J**	**0.052 J**	0.10 U	0.099 U	0.52 U	**0.056 J**	**0.058 J**
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.10 U	0.099 U	0.52 U	0.10 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.10 U	0.099 U	**49**	0.10 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.10 U	0.099 U	0.33 J	0.10 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.10 U	0.099 U	0.52 U	0.10 U	0.10 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.10 U	0.099 U	**28**	0.10 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.50 U	0.50 U	0.50 U	0.50 U	2.6 U	0.50 U	0.51 U
3-Nitrotoluene	µg/L	NS	120	0.50 U	0.50 U	0.50 U	0.50 U	2.6 U	0.50 U	0.51 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.10 U	0.099 U	**30**	0.10 U	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.50 U	0.50 U	0.50 U	0.50 U	2.6 U	0.50 U	0.51 U
HMX	µg/L	NS	1800	0.10 U	0.10 U	0.10 U	0.099 U	**0.23 J**	0.10 U	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.10 U	0.10 U	0.099 U	0.52 U	0.10 U	0.10 U
Nitrocellulose	mg/L	NS	NS	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U
Nitroglycerin	µg/L	NS	4.8	0.65 U	0.65 U	0.65 U	0.64 U	3.4 U	0.65 U	0.66 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.65 U	0.65 U	0.65 U	0.64 U	3.4 U	0.65 U	0.66 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.10 U	0.099 U	0.52 U	0.10 U	0.10 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.10 U	0.099 U	0.52 U	0.10 U	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				FBQmw-177	LNWmw-024	LNWmw-025	LNWmw-026	LNWmw-027	MBSmw-001	MBSmw-002
Sample ID		MCL	Region 9 PRG	FWGFBQmw-177C-1221-GW	FWGLNWmw-024C-1222-GW	FWGLNWmw-025C-1223-GW	FWGLNWmw-026C-1224-GW	FWGLNWmw-027C-1225-GW	FWGMBSmw-001C-1254-GW	FWGMBSmw-002C-1255-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/28/2009	1/28/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	0.10 U	0.11 JB	**0.049 J**	**0.065 J**	0.10 U	0.10 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.11 U	**0.057 J**	0.11 U	0.10 U	0.10 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.51 U	0.52 U	0.54 U	0.54 U	0.57 U	0.50 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.51 U	0.52 U	0.54 U	0.54 U	0.57 U	0.50 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.51 U	0.52 U	0.54 U	0.54 U	0.57 U	0.50 U	0.50 U
HMX	µg/L	NS	1800	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.10 U	0.11 U	**0.070 J**	0.11 U	0.10 U	0.10 U
Nitrocellulose	mg/L	NS	NS	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.66 U	0.68 U	0.70 U	0.70 U	0.74 U	0.65 U	0.65 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.66 U	0.68 U	0.70 U	0.70 U	0.74 U	0.65 U	0.65 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.11 U	0.11 U	0.11 U	0.10 U	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				MBSmw-003	MBSmw-004	MBSmw-005	MBSmw-006	NTAmw-107	NTAmw-108	NTAmw-109
Sample ID		MCL	Region 9 PRG	FWGMBSmw-003C-1256-GW	FWGMBSmw-004C-1257-GW	FWGMBSmw-005C-1258-GW	FWGMBSmw-006C-1259-GW	FWGNTAmw-107C-1226-GW	FWGNTAmw-108C-1227-GW	FWGNTAmw-109C-1228-GW
Date Collected				1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	0.10 U	0.10 U	0.10 U	**0.052 J**	**0.063 J**	0.097 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
2-Nitrotoluene	µg/L	NS	0.049	0.50 U	0.50 U	0.51 U	0.51 U	0.55 U	0.50 U	0.48 U
3-Nitrotoluene	µg/L	NS	120	0.50 U	0.50 U	0.51 U	0.51 U	0.55 U	0.50 U	0.48 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
4-Nitrotoluene	µg/L	NS	0.66	0.50 U	0.50 U	0.51 U	0.51 U	0.55 U	0.50 U	0.48 U
HMX	µg/L	NS	1800	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.66 U	0.65 U	0.66 U	0.66 U	0.72 U	0.64 U	0.63 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.66 U	0.65 U	0.66 U	0.66 U	0.72 U	0.64 U	0.63 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U	0.099 U	0.097 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				NTAmw-110	NTAmw-111	NTAmw-112	NTAmw-113	NTAmw-114	NTAmw-115	NTAmw-116
Sample ID		MCL	Region 9 PRG	FWGNTAmw-110C-1229-GW	FWGNTAmw-111C-1230-GW	FWGNTAmw-112C-1231-GW	FWGNTAmw-113C-1232-GW	FWGNTAmw-114C-1233-GW	FWGNTAmw-115C-1234-GW	FWGNTAmw-116C-1235-GW
Date Collected				1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	**0.047 J**	**0.056 J**
1,3-Dinitrobenzene	µg/L	NS	3.6	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.52 U	0.50 U	0.50 U	0.48 U	0.51 UJ	0.50 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.52 U	0.50 U	0.50 U	0.48 U	0.51 UJ	0.50 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.52 U	0.50 U	0.50 U	0.48 U	0.51 UJ	0.50 U	0.50 U
HMX	µg/L	NS	1800	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	**0.079 J**	0.10 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.68 U	0.66 U	0.64 U	0.62 U	0.66 UJ	0.66 U	0.65 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.68 U	0.66 U	0.64 U	0.62 U	0.66 UJ	0.66 U	0.65 U
RDX	µg/L	NS	0.61	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U
Tetryl	µg/L	NS	360	0.10 U	0.10 U	0.099 U	0.096 U	0.10 UJ	0.10 U	0.10 U

Notes:
NS = no standard
Bold = detected compound above the MDL
N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				NTAmw-117	NTAmw-118	RQLmw-012	RQLmw-013	RQLmw-014	RQLmw-015
Sample ID		MCL	Region 9 PRG	FWGNTAmw-117C-1236-GW	FWGNTAmw-118C-1237-GW	FWGRQLmw-012C-1238-GW	FWGRQLmw-013C-1239-GW	FWGRQLmw-014C-1240-GW	FWGRQLmw-015C-1241-GW
Date Collected				1/27/2009	1/27/2009	1/19/2009	1/19/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.052 J**	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
2,4-Dinitrotoluene	µg/L	NS	73	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
2,6-Dinitrotoluene	µg/L	NS	36	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
2-Nitrotoluene	µg/L	NS	0.049	0.54 U	0.51 U	0.49 U	0.48 U	0.56 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.54 U	0.51 U	0.49 U	0.48 U	0.56 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
4-Nitrotoluene	µg/L	NS	0.66	0.54 U	0.51 U	0.49 U	0.48 U	0.56 U	0.50 U
HMX	µg/L	NS	1800	0.11 U	0.10 U	**0.060 J**	0.096 U	0.11 U	0.099 U
Nitrobenzene	µg/L	NS	3.4	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.71 U	0.66 U	0.64 U	0.62 U	0.72 U	0.64 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.71 U	0.66 U	0.64 U	0.62 U	0.72 U	0.64 U
RDX	µg/L	NS	0.61	0.11 U	0.10 U	**0.23**	0.096 U	0.11 U	0.099 U
Tetryl	µg/L	NS	360	0.11 U	0.10 U	0.098 U	0.096 U	0.11 U	0.099 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				RQLmw-016	RQLmw-017	WBGmw-005	WBGmw-008	WBGmw-010	WBGmw-011
Sample ID		MCL	Region 9 PRG	FWGRQLmw-016C-1242-GW	FWGRQLmw-017C-1243-GW	FWGWBGmw-005C-1244-GW	FWGWBGmw-008C-1245-GW	FWGWBGmw-010C-1246-GW	FWGWBGmw-011C-1247-GW
Date Collected				1/19/2009	1/20-21/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,3,5-Trinitrobenzene	µg/L	NS	1100	**0.050 J**	0.10 U	0.10 U	0.12 U	0.099 U	**0.062 J**
1,3-Dinitrobenzene	µg/L	NS	3.6	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
2,4-Dinitrotoluene	µg/L	NS	73	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
2,6-Dinitrotoluene	µg/L	NS	36	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
2-Nitrotoluene	µg/L	NS	0.049	0.48 U	0.51 U	0.50 U	0.58 U	0.50 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.48 U	0.51 U	0.50 U	0.58 U	0.50 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
4-Nitrotoluene	µg/L	NS	0.66	0.48 U	0.51 U	0.50 U	0.58 U	0.50 U	0.50 U
HMX	µg/L	NS	1800	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
Nitrobenzene	µg/L	NS	3.4	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.62 U	0.66 U	0.66 U	0.75 U	0.64 U	0.64 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.62 U	0.66 U	0.66 U	0.75 U	0.64 U	0.64 U
RDX	µg/L	NS	0.61	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U
Tetryl	µg/L	NS	360	0.096 U	0.10 U	0.10 U	0.12 U	0.099 U	0.099 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 Explosive and Propellant Analytical Results

Station ID				WBGmw-012	WBGmw-013	WBGmw-014	WBGmw-015	WBGmw-016	WBGmw-017
Sample ID		MCL	Region 9 PRG	FWGWBGmw-012C-1248-GW	FWGWBGmw-013C-1249-GW	FWGWBGmw-014C-1250-GW	FWGWBGmw-015C-1251-GW	FWGWBGmw-016C-1252-GW	FWGWBGmw-017C-1253-GW
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,3,5-Trinitrobenzene	µg/L	NS	1100	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	0.10 U
1,3-Dinitrobenzene	µg/L	NS	3.6	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	0.10 U
2,4,6-Trinitrolouene	µg/L	NS	2.2	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	0.10 U
2,4-Dinitrotoluene	µg/L	NS	73	0.098 U	**0.059 J**	0.10 U	0.099 U	0.11 U	0.10 U
2,6-Dinitrotoluene	µg/L	NS	36	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	0.10 U
2-Amino-4,6-dinitrotoluene	µg/L	NS	NS	0.098 U	**0.93**	0.10 U	0.099 U	0.11 U	0.10 U
2-Nitrotoluene	µg/L	NS	0.049	0.49 U	0.50 U	0.51 U	0.50 U	0.56 U	0.50 U
3-Nitrotoluene	µg/L	NS	120	0.49 U	0.50 U	0.51 U	0.50 U	0.56 U	0.50 U
4-Amino-2,6-Dinitrotoluene	µg/L	NS	NS	0.098 U	**0.50**	0.10 U	0.099 U	0.11 U	0.10 U
4-Nitrotoluene	µg/L	NS	0.66	0.49 U	0.50 U	0.51 U	0.50 U	0.56 U	0.50 U
HMX	µg/L	NS	1800	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	0.10 U
Nitrobenzene	µg/L	NS	3.4	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	**0.081 J**
Nitrocellulose	mg/L	NS	NS	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Nitroglycerin	µg/L	NS	4.8	0.64 U	0.66 U	0.66 U	0.64 U	0.72 U	0.65 U
Nitroguanidine	µg/L	NS	NS	20 U	20 U	20 U	20 U	20 U	20 U
PETN	µg/L	NS	NS	0.64 U	0.66 U	0.66 U	0.64 U	0.72 U	0.65 U
RDX	µg/L	NS	0.61	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	0.10 U
Tetryl	µg/L	NS	360	0.098 U	0.10 U	0.10 U	0.099 U	0.11 U	0.10 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-3 FWGWMP January 2009 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) 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.

3.2.2 Inorganic Elements

Inorganic elements analytical results are presented in Table 3-4. The inorganics detected in the samples included: aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, calcium, cobalt, copper, iron, magnesium, manganese, mercury, nickel, potassium, selenium, sodium, thallium, vanadium, 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 3-5. The inorganic elements that were detected were compared to the appropriate background criteria to determine if they were SRCs. The following inorganic elements were detected above the method detection limits and the background levels reported in Table 3-5:

Aluminum

- Bedrock Zone - LL5mw-001 (7,320 µg/L J), LL5mw-004 (149 µg/L J), LL7mw-006 (27.4 µg/L J), LL9mw-002 (160 µg/L), LL9mw-004 (29.1 µg/L J), LL9mw-006 (37.7 µg/L J), LL9mw-007 (20.1 µg/L J), CBLmw-001 (20.3 µg/L J), CBLmw-002 (19.2 µg/L J), CBLmw-004 (50.0 µg/L J B), FBQmw-169 (26.4 µg/L J B), FBQmw-170 (22.5 µg/L J B), FBQmw-173 (29.4 µg/L J B), FBQmw-175 (51.7 µg/L J B), RQLmw-012 (1,480 µg/L), RQLmw-013 (5,040 µg/L), RQLmw-017 (201 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone – LL6mw-006 (22.0 µg/L J), LL8mw-001 (29.4 µg/L J), LL8mw-002 (76.9 µg/L), LL8mw-003 (22.6 µg/L J), LL11mw-005 (65.9 µg/L), LL11mw-010 (20.1 µg/L J), B12mw-010 (92.7 µg/L), CBPmw-001 (50.0 µg/L J B), CBPmw-002 (474 µg/L J), CPmw-001 (24.0 µg/L J), CPmw-003 (41.5 µg/L J), CPmw-006 (468 µg/L J), DA2mw-106 (19.8 µg/L J), DA2mw-110 (45.0 µg/L J), EBGmw-126 (152 µg/L), EBGmw-127 (1,060 µg/L J), FBQmw-906 µg/L J), LNWmw-024 (297 µg/L J), LNWmw-026 (42.9 µg/L J B), MBSmw-002 (36.3 (µg/L J), NTAmw-107 (244 µg/L J), NTAmw-108 (293 µg/L J), NTAmw-110 (271 µg/L J), NTAmw-113 (4,640 µg/L J), NTAmw-118 (19.0 µg/L J B), WBGmw-010 (201 µg/L J), WBGmw-011 (36.0 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
  There MCL for aluminum is 200 µg/L. The Region 9 PRG is 36,000 µg/L.

Antimony

- Bedrock Zone – FBQmw-168 (0.38 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.

- Unconsolidated Zone – CBPmw-002 (0.38 µg/L J), DA2mw-105 (0.14 µg/L J B), DA2mw-106 (0.19 µg/L J B). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
  The MCL for antimony is 6 µg/L. The Region 9 PRG is 15 µg/L.

Arsenic

- Bedrock Zone – LL5mw-001 (6.6 µg/L), LL5mw-002 (3.4 J), LL6mw-005 (13.7 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone – CBPmw-001 (85.0 µg/L), CBPmw-002 (24.8 µg/L), CBPmw-003 (26.2 µg/L), CBPmw-004 (39.1 µg/L), CPmw-005 (53.9 µg/L), EBGmw-123 (55.4 µg/L), EBGmw-124 (37.6 µg/L), EBGmw-125 (13.5 µg/L J), EBGmw-126 (17.9 µg/L J), NTAmw-107 (11.9 µg/L), NTAmw-110 (15.2 µg/L), NTAmw-112 (16.7 µg/L),NTAmw-113 (12.5 µg/L), WBGmw-005 (9.9 µg/L B). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 11.7 µg/L.
  The MCL for arsenic is 10 µg /L. The Region 9 PRG is 1.045 µg/L.

Barium

- Bedrock Zone: - None.
  The Groundwater Bedrock Zone Background Criteria (filtered) is 256 µg/L.
- Unconsolidated Zone: - CPmw-005 (149 µg/L),EBGmw-123 (182 µg/L), EBGmw-124 (172 µg/L), EBGmw-126 (213 µg/L), EBGmw-127 (324 µg/L), LNWmw-026 (104 µg/L), MBSmw-001 (110 µg/L), MBSmw-002 (105 µg/L), MBSmw-006 (86.7 µg/L), NTAmw-107 (108 µg/L), NTAmw-110 (122 µg/L), NTAmw-115 (97.2 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 82.1 µg/L.
  The MCL for barium is 2,000 µg/L. The Region 9 PRG is 2,600 µg/L.

Beryllium

- Bedrock Zone: - LL5mw-001 (0.45 µg/L J), RQLmw-013 (0.84 J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone: - None. The Groundwater Unconsolidated Zone Background Criteria is 0 µg/L.
  The MCL for beryllium is 4 µg/L. There Region 9 PRG is 73 µg/L.

Cadmium

- Bedrock Zone: - LL6mw-007 (0.66 µg/L**),** LL7mw-006 (0.27 µg/L J), CBLmw-002 (0.20 µg/L J), CBLmw-003 (0.13 µg/L J), FBQmw-169 (0.78 µg/L J), RQLmw-012 (0.63 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.

- Unconsolidated Zone: - LL6mw-006 (0.43 µg/L J), LL11mw-004 (9.7 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
  The MCL for cadmium is 5 µg/L. There Region 9 PRG is 18 µg/L.

Chromium

- Bedrock Zone: - LL5mw-001 (12.2 µg/L J), FBQmw-173 (3.6 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone: - CBPmw-001 (8.3 µg/L), EBGmw-130 (27.5 µg/L), MBSmw-003 (8.1 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 7.3 µg/L.
  The MCL is 100 µg/L. There Region 9 PRG is 110 µg/L.

Cobalt

- Bedrock Zone: - LL5mw-001 (7.3 µg/L**),** LL7mw-001 (6.6), LL7mw-003 (4.2 µg/L J), LL7mw-004 (7.0 µg/L), LL7mw-005 (10.2 µg/L), LL9mw-004 (4.5 µg/L J), LL9mw-007 (5.0 µg/L), FBQmw-169 (10.4 µg/L), FBQmw-173 (1.9 µg/L J) RQLmw-012 (7.1 µg/L), RQLmw-013 (40.1 µg/L), RQLmw-016 (5.5 µg/), RQLmw-017 (9.0 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone: - CBPmw-002 (2.3 µg/L J), CBPmw-008 (2.7 µg/L J),CPmw-006 (1.7 µg/L J), DA2mw-106 (8.8 µg/L), EBGmw-130 (1.9 µg/L J), FBQmw-167 (5.5 µg/L), FBQmw-176 (2.8 µg/L J), NTAmw-113 (2.1 µg/L J), WBGmw-005 (5.9 µg/L). 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

- Bedrock Zone: -LL5mw-001 (7.4 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
  The Groundwater Bedrock Zone Background Criteria is 0 µg/L.
- Unconsolidated Zone: - NTAmw-113 (5.9 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
  The MCL is 1,300 µg/L. The Region 9 PRG is 1,500 µg/L.

Cyanide

- Bedrock Zone: - None. The Groundwater Bedrock Zone Background Criteria (filtered) is 0 mg/L.
- Unconsolidated Zone: - None. The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
  The MCL for cyanide is 0.2 mg/L. The Region 9 PRG is 0.73 mg/L.

Lead

- Bedrock Zone: - LL5mw-001 (7.3 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone: - CBPmw-002 (2.6 µg/L J), NTAmw-113 (4.7 µg/L). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
  The MCL is 15 µg/L. The Region 9 PRG is 880 µg/L.

Manganese

- Bedrock Zone: - LL7mw-003 (1,420 µg/L), LL7mw-005 (2,500 µg/L), LL8mw-005 (2,800 µg/L), LL9mw-004 (2,430 µg/L), FBQmw-169 (5,440 µg/L J), RQLmw-014 (2,230 µg/L), RQLmw-016 (7,020 µg/L J), RQLmw-017 (3,720 µg/L. The Groundwater Bedrock Zone Background Criteria (filtered) is 1,340 µg/L.
- Unconsolidated Zone: - CPmw-006 (3,260 µg/L J), DA2mw-106 (4,720 µg/L J), FBQmw-167 (1,760 µg/L J), FBQmw-176 (1,360 µg/L J), FBQmw-177 (1,170 µg/L J), WBGmw-005 (1,270 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 1,020 µg/L.
  The MCL for Manganese is 50 µg/L. The Region 9 PRG is 880 µg/L.

Mercury

- Bedrock Zone; - None. The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone: - LL10mw-006 (0.12 µg/L J).The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
- The MCL for mercury is 2 µg/L. The Region 9 PRG is 11 µg/L.

Nickel

- Bedrock Zone: - None. The Groundwater Bedrock Zone Background Criteria (filtered) is 83.4 µg/L.
- Unconsolidated Zone: - LL11mw-005 (8.6 µg/L J), B12mw-010 (15.8 µg/L), CBPmw-001 (5.1 µg/L J), CBPmw-002 (5.0 µg/L J), DA2mw-106 (8.8 µg/L J), EBGmw-130 (19.3 µg/L), FBQmw-167 (9.5 µg/L J), NTAmw-109 (4.0 µg/L J), NTAmw-113 (7.4 µg/L J), WBGmw-005 (6.8 µg/L J). 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.

Selenium

- Bedrock Zone: - None. The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone: - FBQmw-176 (4.7 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.

The MCL for Selenium is 50 µg/L. The Region 9 PRG is 180 µg/L.

Thallium

- Bedrock Zone: - RQLmw-012 (0.68 µg/L), RQLmw-013 (1.1 µg/L). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L
- Unconsolidated Zone: - DA2mw-106 (0.20 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L.
  The MCL for Thallium is 2 µg/L. The Region 9 PRG is 2.4 µg/L.

Vanadium

- Bedrock Zone: - LL5mw-001 (13.7 µg/L), LL9mw-001 (1.5 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 0 µg/L.
- Unconsolidated Zone: - LL11mw-006 (0.71 µg/L J), EBGmw-126 (0.69 µg/L J), EBGmw-127 (1.5 µg/L J), NTAmw-110 (0.66 µg/L J), NTAmw-113 (8.0 µg/L J). The Groundwater Unconsolidated Zone Background Criteria (filtered) is 0 µg/L. There is no MCL for Vanadium. The Region 9 PRG is 36 µg/L.

Zinc

- Bedrock Zone: -. RQLmw-012 (54.8 µg/L J), RQLmw-013 (285 µg/L J), RQLmw-017 (94.4 µg/L J). The Groundwater Bedrock Zone Background Criteria (filtered) is 52.3 µg/L.
- Unconsolidated Zone: - None. The Groundwater Unconsolidated Zone Background Criteria (filtered) is 60.9 µg/L.
  The MCL for zinc is 5,000 µg/L. The Region 9 PRG is 11,000 µg/L.

Several inorganic compounds were detected at levels exceeding the MCLs and/or Region 9 PRGs. These included aluminum, manganese, arsenic, cadmium, and iron for wells from all areas sampled. These compounds were also detected at concentrations exceeding the Facility-Wide Background Criteria for many of the wells. Table 4-1 in Section 4 presents a summary of all inorganic compounds and the associated wells that had detections exceeding MCLs, Region 9 PRGs and/or Facility-Wide Background Criteria.

The facility-wide groundwater conditions are still being evaluated, including background levels for all inorganic compounds. This will also include an evaluation of aluminum, arsenic, cadmium, iron, and manganese related to exceedances of the MCLs. The elevated concentrations of the subject parameters will be evaluated with respect to Ravenna's Draft Facility-Wide Clean Up Goals (CUGs). If the parameters are identified as Contaminants of Concern (COCs), then a risk management analysis will be performed during the RI/FS process. Remedial actions will be implemented at the facility at any time the Groundwater COCs are deemed to represent an immediate threat to human health or the environment.

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				LL1mw-064	LL5mw-001	LL5mw-002	LL5mw-003	LL5mw-004	LL5mw-005	LL5mw-006	LL6mw-001
Sample ID		MCL	Region 9 PRG	FWGLL1mw-064C-1128-GF	FWGLL5mw-001C-1129-GF	FWGLL5mw-002C-1130-GF	FWGLL5mw-003C-1131-GF	FWGLL5mw-004C-1132-GF	FWGLL5mw-005C-1133-GF	FWGLL5mw-006C-1134-GF	FWGLL6mw-001C-1135-GF
Date Collected				1/22/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/21/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	50.0 U	**7320 J**	50.0 UJ	50.0 UJ	**149 J**	50.0 U	50.0 U	50.0 UJ
Antimony	µg/L	6	15	2.0 U	0.14 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	**6.6**	**3.4 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**48.2**	**71.9 J**	**50.3 J**	**21.5 J**	**22.2 J**	**11.0**	**17.5**	**14.8**
Beryllium	µg/L	4	73	1.0 U	**0.45 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**56400**	**51200 J**	**66700 J**	**102000 J**	**78400 J**	**68700**	**67400**	**71700 J**
Chromium	µg/L	100	110	5.0 U	**12.2**	5.0 U	5.0 U	4.9 J	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	**7.3**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	**7.4**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 U	0.010 U
Iron	µg/L	300	11000	**564**	**22300 J**	**217 J**	50.0 U	**258 J**	50.0 U	50.0 U	50.0 U
Lead	µg/L	15	NS	3.0 U	**7.3**	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**9760**	**21600 J**	**21900 J**	**24700 J**	**28300 J**	**27900**	**36600**	**38400 J**
Manganese	µg/L	50	880	**121 J**	**661 J**	**114 J**	0.78 UJ	**8.0 J**	**444**	**16.5**	**0.61 JB**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	**13.3**	10.0 U	10.0 U	**3.5 J**	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**694 JB**	**3200 J**	**1160 J**	506 UJB	439 UJB	**1590 J**	**1140 J**	**1520 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**5050**	**4440**	**6790**	**3580**	**3320**	**7810**	**6150**	**7090**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	**13.7**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	10.0 U	**50.8 J**	**4.6 JB**	10.0 U	**17.7 B**	10.0 U	**3.1 JB**	**8.7 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				LL6mw-002	LL6mw-003	LL6mw-004	LL6mw-005	LL6mw-006	LL6mw-007	LL7mw-001	LL7mw-002
Sample ID		MCL	Region 9 PRG	FWGLL6mw-002C-1136-GF	FWGLL6mw-003C-1137-GF	FWGLL6mw-004C-1138-GF	FWGLL6mw-005C-1139-GF	FWGLL6mw-006C-1140-GF	FWGLL6mw-007C-1141-GF	FWGLL7mw-001C-1142-GF	FWGLL7mw-002C-1143-GF
Date Collected				1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	50.0 UJ	50.0 UJ	50.0 UJ	50.0 UJ	**22.0 J**	50.0 UJ	50.0 U	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	**13.7**	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**21.1 J**	**10.0 J**	**34.2 J**	**63.4 J**	**21.9 J**	**15.0 J**	**21.0**	**53.5**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	**0.43 J**	**0.66**	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**130000 J**	**82000 J**	**73100 J**	**73900 J**	**73900 J**	**59200 J**	**33300**	**34300**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**6.6**	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ
Iron	µg/L	300	11000	50.0 U	50.0 U	**642 J**	**824 J**	50.0 U	50.0 U	**7820**	50.0 U
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**29100 J**	**39300 J**	**32100 J**	**23400 J**	**27500 J**	**25000 J**	**11500**	**6930**
Manganese	µg/L	50	880	10.0 U	**32.8 J**	**113 J**	**557 J**	**14.8 J**	**442 J**	**446**	**1.4 J**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**8.5 J**	10.0 U
Potassium	µg/L	NS	NS	**851 J**	**1800 J**	**1260 J**	**949 J**	**1330 J**	798 UJB	**962 J**	**1460 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**3770**	**13000**	**11900**	**7890**	**7380**	**8580**	**5580**	**2000**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	10.0 U	**3.7 JB**	**2.4 JB**	10.0 U	**2.3 JB**	10.0 U	**47.4**	10.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				LL7mw-003	LL7mw-004	LL7mw-005	LL7mw-006	LL8mw-001	LL8mw-002	LL8mw-003	LL8mw-004
Sample ID		MCL	Region 9 PRG	FWGLL7mw-003C-1144-GF	FWGLL7mw-004C-1145-GF	FWGLL7mw-005C-1146-GF	FWGLL7mw-006C-1147-GF	FWGLL8mw-001C-1148-GF	FWGLL8mw-002C-1149-GF	FWGLL8mw-003C-1150-GF	FWGLL8mw-004C-1151-GF
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	50.0 U	50.0 U	50.0 U	**27.4 J**	**29.4 J**	**76.9**	**22.6 J**	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**49.2**	**38.9**	**95.8**	**15.1**	**20.4**	**31.1**	**20.3**	**9.4 J**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	**0.27 J**	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**16400**	**9130**	**8260**	**9790**	**74200**	**101000**	**130000**	**76100**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	**4.2 J**	**7.0**	**10.2**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 U	0.010 UJ
Iron	µg/L	300	11000	**17000**	**15900**	**1600**	**1160**	**69.5**	**3070**	**416**	50.0 U
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**6060**	**7200**	**4710**	**6440**	**41500**	**45300**	**46800**	**38800**
Manganese	µg/L	50	880	**1420**	**1270**	**2500**	**1200**	**39.6**	**489**	**246**	**16.9**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	**5.0 J**	**8.6 J**	**12.7**	**7.4 J**	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**1150 J**	**1340 J**	**1020 J**	**814 J**	**1300 J**	**7190 J**	**2600 J**	**1050 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**4940**	**15700**	**2330**	**6480**	**12000**	**33200**	**46300**	**18800**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**10.3**	**15.4**	**5.8 J**	**10.5**	10.0 U	10.0 U	10.0 U	10.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				LL8mw-005	LL8mw-006	LL9mw-001	LL9mw-002	LL9mw-003	LL9mw-004	LL9mw-005	LL9mw-006
Sample ID		MCL	Region 9 PRG	FWGLL8mw-005C-1152-GF	FWGLL8mw-006C-1153-GF	FWGLL9mw-001C-1154-GF	FWGLL9mw-002C-1155-GF	FWGLL9mw-003C-1156-GF	FWGLL9mw-004C-1157-GF	FWGLL9mw-005C-1158-GF	FWGLL9mw-006C-1159-GF
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	50.0 U	50.0 U	50.0 U	**160**	50.0 U	**29.1 J**	50.0 U	**37.7 J**
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**9.7 J**	**15.0**	**9.0 J**	**1.1 J**	**13.7**	**22.6**	**2.6 J**	**59.0**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**62300**	**70500**	**30200**	**16900**	**21400**	**10900**	**12400**	**4290**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**4.5 J**	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 UJ	0.010 UJ	0.010 U	0.010 UJ	0.010 UJ	0.010 UJ
Iron	µg/L	300	11000	**451**	50.0 U	50.0 U	50.0 U	50.0 U	**11000**	50.0 U	**428**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**21500**	**29000**	**9120**	**6460**	**5410**	**10800**	**5640**	**5120**
Manganese	µg/L	50	880	**2800**	**0.70 JB**	**1.6 J**	**109**	**21.4 J**	**2430**	**8.9 J**	**203**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	10.0 U	10.0 U	**19.4**	10.0 U	**6.3 J**	10.0 U	**10.7**
Potassium	µg/L	NS	NS	711 UJB	**1520 J**	778 UJ	**982 J**	**2000 J**	772 UJ	737 UJB	**1260 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**11800**	**4160**	**3040**	**1930**	**3280**	**3880**	**3530**	**1900**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	**1.5 J**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	10.0 U	10.0 U	10.0 U	**16.2**	**15.8**	**12.8**	**36.1**	**18.1**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				LL9mw-007	LL10mw-001	LL10mw-002	LL10mw-003	LL10mw-004	LL10mw-005	LL10mw-006	LL11mw-001
Sample ID		MCL	Region 9 PRG	FWGLL9mw-007C-1160-GF	FWGLL10mw-001C-1161-GF	FWGLL10mw-002C-1162-GF	FWGLL10mw-003C-1163-GF	FWGLL10mw-004C-1164-GF	FWGLL10mw-005C-1165-GF	FWGLL10mw-006C-1166-GF	FWGLL11mw-001C-1167-GF
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	**20.1 J**	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**15.6**	**2.1 J**	**17.4**	**2.2 J**	**3.3 J**	**3.8 J**	**13.2**	**31.7**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**7800**	**71800**	**29800**	**54500**	**70300**	**61900**	**18200**	**78700**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	**5.0**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 UJ	0.010 U	0.010 UJ	0.010 UJ	0.010 U	0.010 UJ	0.010 UJ	0.010 UJ
Iron	µg/L	300	11000	**2720**	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**5980**	**26100**	**8210**	**16000**	**21200**	**14500**	**7160**	**28000**
Manganese	µg/L	50	880	**497**	10.0 U	**1.2 J**	10.0 U	**10.0 J**	**23.7**	**3.8 J**	**207**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.12 J**	0.20 U
Nickel	µg/L	NS	730	**16.8**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**1430 J**	**1030 J**	**877 J**	639 UJB	707 UJB	651 UJB	**913 J**	804 UJ
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**2060**	**7960**	**5330**	**8530**	**4180**	**3200**	**2730**	**19100**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**44.0**	10.0 U	10.0 U	10.0 U	10.0 U	**4.5 J**	10.0 U	10.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				LL11mw-003	LL11mw-004	LL11mw-005	LL11mw-006	LL11mw-008	LL11mw-010	B12mw-010	B12mw-011
Sample ID		MCL	Region 9 PRG	FWGLL11mw-003C-1168-GF	FWGLL11mw-004C-1169-GF	FWGLL11mw-005C-1170-GF	FWGLL11mw-006C-1171-GF	FWGLL11mw-008C-1172-GF	FWGLL11mw-010C-1174-GF	FWGB12mw-010C-1175-GF	FWGB12mw-011C-1176-GF
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	50.0 U	50.0 U	**65.9**	50.0 U	50.0 U	**20.1 J**	**92.7**	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**30.7**	**33.6**	**36.9**	**19.6**	**28.4**	**60.1**	**1.9 J**	10.0 U
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	**9.7**	0.23 UJ	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**103000**	**64400**	**8990**	**77700**	**109000**	**76600**	**5110 J**	**12700**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 U	0.010 U
Iron	µg/L	300	11000	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	**138**	**153**	50.0 U
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**32600**	**18900**	**4560**	**16900**	**32000**	**31100**	**3960**	**9670**
Manganese	µg/L	50	880	**184**	**6.2 J**	**51.2**	10.0 U	**9.6 J**	**178**	**34.8 J**	**10.9**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	10.0 U	**8.6 J**	10.0 U	10.0 U	10.0 U	**15.8**	10.0 U
Potassium	µg/L	NS	NS	**916 J**	**1070 J**	423 UJB	536 UJB	**833 J**	**1180 J**	523 UJ	**1400 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**10600**	**8340**	**2680**	**7490**	**4790**	**24100**	**3120**	**5170**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	**0.71 J**	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	10.0 U	**235**	**9.0 J**	10.0 U	10.0 U	10.0 U	**23.8 J**	**4.6 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				CBLmw-001	CBLmw-002	CBLmw-003	CBLmw-004	CBPmw-001	CBPmw-002	CBPmw-003	CBPmw-004
Sample ID		MCL	Region 9 PRG	FWGCBLmw-001C-1178-GF	FWGCBLmw-002C-1179-GF	FWGCBLmw-003C-1180-GF	FWGCBLmw-004C-1181-GF	FWGCBPmw-001C-1182-GF	FWGCBPmw-002C-1183-GF	FWGCBPmw-003C-1184-GF	FWGCBPmw-004C-1185-GF
Date Collected				1/20/2009	1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	**20.3 J**	**19.2 J**	50.0 U	**50.0 JB**	**50.0 JB**	**474 J**	50.0 UJ	50.0 UJ
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.38 J**	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	**85.0**	**24.8**	**26.2**	**39.1**
Barium	µg/L	2000	2600	**35.6**	**62.6**	**57.6**	**11.7 J**	**7.4 J**	**13.4 J**	**12.5 J**	**61.6 J**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	**0.20 J**	**0.13 J**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**2970 J**	**7150 J**	**7890 J**	**6440 J**	**350000 J**	**164000 J**	**153000 J**	**70600 J**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	**8.3**	**3.4 J**	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**2.3 J**	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	µg/L	300	11000	50.0 U	50.0 U	50.0 U	50.0 U	**8620 J**	**3720 J**	**2220 J**	**962 J**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	**2.6 J**	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**1940**	**4660**	**4610**	**2460 J**	**186000 J**	**101000 J**	**90300 J**	**30800 J**
Manganese	µg/L	50	880	**8.6 J**	**12.0 J**	**3.7 J**	**33.7 J**	**106 J**	**222 J**	**85.3 J**	**49.2 J**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	**4.7 J**	**8.4 J**	**7.0 J**	**3.3 J**	**5.1 J**	**5.0 J**	10.0 U	10.0 U
Potassium	µg/L	NS	NS	854 UJ	**1400 J**	**1070 J**	**1370 J**	**20500 J**	**3300 J**	**3760 J**	**1660 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	1000 U	**1740**	**1450**	**1930**	**77600**	**49900**	**89000**	**15900**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**0.81 J**	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**8.7 JB**	**34.0 J**	**14.6 B**	**5.8 JB**	**3.9 JB**	**10.5 B**	**3.5 JB**	**3.0 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				CBPmw-008	CPmw-001	CPmw-002	CPmw-003	CPmw-004	CPmw-005	CPmw-006	DA2mw-104
Sample ID		MCL	Region 9 PRG	FWGCBPmw-008C-1186-GF	FWGCPmw-001C-1187-GF	FWGCPmw-002C-1188-GF	FWGCPmw-003C-1189-GF	FWGCPmw-004C-1190-GF	FWGCPmw-005C-1191-GF	FWGCPmw-006C-1192-GF	FWGDA2MW-104C-1193-GF
Date Collected				1/21/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	50.0 UJ	**24.0 J**	50.0 U	**41.5 J**	50.0 U	50.0 U	**468 J**	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	**7.2**	5.0 U	5.0 U	5.0 U	5.0 U	**53.9**	**9.6**	5.0 U
Barium	µg/L	2000	2600	**10.1 J**	**8.7 J**	**49.9**	**42.7**	**11.2**	**149**	**76.8**	**17.1**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**234000 J**	**33800 J**	**107000 J**	**26100 J**	**40400 J**	**60400 J**	**98400 J**	**48600**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	**2.7 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**1.7 J**	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ
Iron	µg/L	300	11000	**840 J**	**44.6 J**	50.0 U	**82.1**	50.0 U	**956**	**9190**	50.0 U
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**108000 J**	**7880**	**31600**	**3920**	**14400**	**25400**	**20000**	**14000**
Manganese	µg/L	50	880	**241 J**	**1.8 JB**	**288 J**	**73.1 J**	**2.7 J**	**41.4 J**	**3260 J**	**1.5 J**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**4390 J**	248 UJB	697 UJB	**1080 J**	694 UJB	**2310 J**	**2370 J**	689 UJB
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**90800**	**4040**	**14100**	**5060**	**4270**	**36500**	**29800**	**4190**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**2.8 JB**	**5.1 JB**	**5.0 JB**	**4.3 JB**	10.0 U	**4.2 JB**	**7.5 JB**	10.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				DA2mw-105	DA2mw-106	DA2mw-108	DA2mw-109	DA2mw-110	DA2mw-111	DA2mw-112	DA2mw-113
Sample ID		MCL	Region 9 PRG	FWGDA2mw-105C-1194-GF	FWGDA2mw-106C-1195-GF	FWGDA2mw-108C-1196-GF	FWGDA2MW-109C-1197-GF	FWGDA2mw-110C-1198-GF	FWGDA2mw-111C-1199-GF	FWGDA2mw-112C-1200-GF	FWGDA2mw-113C-1201-GF
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/23/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	50.0 U	**19.8 J**	50.0 U	50.0 U	**45.0 J**	50.0 U	50.0 U	50.0 U
Antimony	µg/L	6	15	**0.14 JB**	**0.19 JB**	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	**3.3 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**53.2**	**47.3**	**33.1**	**26.1**	**5.9 J**	**22.3**	**22.8**	**43.6**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**87100 J**	**165000 J**	**88100 J**	**107000**	**57100 J**	**105000 J**	**92000 J**	**77100 J**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	**8.8**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Iron	µg/L	300	11000	**116**	**1270**	**978**	50.0 U	**52.2 J**	50.0 U	**4350**	**2610**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**24600**	**58400**	**32500**	**40400**	**17200**	**40800**	**21100**	**19100**
Manganese	µg/L	50	880	**212 J**	**4720 J**	**326 J**	**7.0 J**	**9.0 J**	**241 J**	**782 J**	**442 J**
Mercury	µg/L	2	11	0.20 UJ	0.20 UJ	0.20 UJ	0.20 U	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	µg/L	NS	730	10.0 U	**8.8 J**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**1050 J**	**1700 J**	**2670 J**	**1020 J**	**826 J**	**2970 J**	**1400 J**	**1040 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**8230**	**41100**	**10400**	**16700**	**4820**	**26200**	**4480**	**3260**
Thallium	µg/L	2	2.4	1.0 U	**0.20 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**4.1 JB**	**6.4 JB**	**3.5 JB**	10.0 U	**6.1 JB**	**15.1 B**	**7.7 JB**	**7.7 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				EBGmw-123	EBGmw-124	EBGmw-125	EBGmw-126	EBGmw-127	EBGmw-128	EBGmw-129
Sample ID		MCL	Region 9 PRG	FWGEBGmw-123C-1202-GF	FWGEBGmw-124C-1203-GF	FWGEBGmw-125C-1204-GF	FWGEBGmw-126C-1205-GF	FWGEBGmw-127C-1206-GF	FWGEBGmw-128C-1207-GF	FWGEBGmw-129C-1208-GF
Date Collected				1/20/2009	1/20/2009	1/20/2009	1/22/2009	1/20/2009	1/20/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Aluminum	µg/L	200	36000	50.0 U	50.0 U	50.0 U	**152**	**1060 J**	50.0 U	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	**55.4**	**37.6**	**13.5**	**17.9**	**11.2 J**	**9.4**	**3.6 J**
Barium	µg/L	2000	2600	**182**	**172**	**53.5**	**213**	**324**	**62.3**	**24.9**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**96200 J**	**88600 J**	**45100 J**	**93900**	**76100 J**	**53500 J**	**50900 J**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	**2.5 J**	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	µg/L	300	11000	**6040**	**2950**	**5430**	**4700**	**3060 J**	**766**	**5770**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**16900**	**18300**	**7840**	**16600**	**17400**	**9370**	**11900**
Manganese	µg/L	50	880	**121 J**	**63.7 J**	**353 J**	**170 J**	**66.3 J**	**192 J**	**563 J**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**965 J**	**1230 J**	**1010 J**	**1250 J**	**1640 J**	725 UJB	**890 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**8310**	**16100**	**2790**	**7360**	**4650**	**4100**	**3550**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	**0.69 J**	**1.5 J**	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**2.4 JB**	**3.4 JB**	**6.2 JB**	**13.5**	**11.3 B**	**3.8 JB**	10.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				EBGmw-130	FBQmw-166	FBQmw-167	FBQmw-168	FBQmw-169	FBQmw-170	FBQmw-171
Sample ID		MCL	Region 9 PRG	FWGEBGmw-130C-1209-GF	FWGFBQmw-166C-1210-GF	FWGFBQmw-167C-1211-GF	FWGFBQmw-168C-1212-GF	FWGFBQmw-169C-1213-GF	FWGFBQmw-170C-1214-GF	FWGFBQmw-171C-1215-GF
Date Collected				1/21/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Aluminum	µg/L	200	36000	50.0 U	50.0 U	50.0 U	50.0 U	**26.4 JB**	**22.5 JB**	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	**0.38 J**	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	**5.0**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**52.2**	**30.8**	**50.6**	**33.8**	**43.9**	**36.4**	**28.3**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	**0.78**	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**76100**	**111000**	**29400**	**57900 J**	**22900**	**7260 J**	**16400 J**
Chromium	µg/L	100	110	**27.5**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	**1.9 J**	5.0 U	**5.5**	5.0 U	**10.4**	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	µg/L	300	11000	**3610**	**541**	**12300**	**34.1 JB**	**448**	**167 J**	**57.4 J**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**16300**	**40000**	**12900**	**10500 J**	**15700**	**2660 J**	**5540 J**
Manganese	µg/L	50	880	**694**	**60.5 J**	**1760 J**	**5.9 JB**	**5440 J**	**63.1 J**	**34.7 J**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	**19.3**	10.0 U	**9.5 J**	10.0 U	**13.8**	**4.9 J**	**4.9 J**
Potassium	µg/L	NS	NS	**3530 J**	**1080 J**	**1550 J**	**950 J**	**1880 J**	729 UJB	**863 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**5800**	**15500**	**33500**	**2010**	**29400**	**10600**	**1120**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	0.14 UJ	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**6.7 JB**	**3.0 JB**	**16.1**	**2.9 JB**	**9.1 JB**	**17.1 B**	**14.5 B**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				FBQmw-172	FBQmw-173	FBQmw-174	FBQmw-175	FBQmw-176	FBQmw-177	LNWmw-024
Sample ID		MCL	Region 9 PRG	FWGFBQmw-172C-1216-GF	FWGFBQmw-173C-1217-GF	FWGFBQmw-174C-1218-GF	FWGFBQmw-175C-1219-GF	FWGFBQmw-176C-1220-GF	FWGFBQmw-177C-1221-GF	FWGLNWmw-024C-1222-GF
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Aluminum	µg/L	200	36000	50.0 U	**29.4 JB**	50.0 U	**51.7 JB**	**906 J**	50.0 U	**297 J**
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**38.0**	**8.7 J**	**15.7**	**12.2**	**57.5**	**9.9 J**	**38.5**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**84600**	**8100**	**8290 J**	**11600 J**	**8760 J**	**42100 J**	**89300**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	**1.9 J**	5.0 U	5.0 U	**2.8 J**	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	µg/L	300	11000	**188**	**362**	**33.1 J**	**126 J**	**8910 J**	**81.4 J**	**415**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**37800**	**3210**	**2620 J**	**6180 J**	**3320 J**	**11600 J**	**41400**
Manganese	µg/L	50	880	**1170 J**	**1130 J**	**2.2 JB**	**6.9 JB**	**1360 J**	**1170 J**	**64.6 J**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	**4.3 J**	10.0 U	10.0 U	**10.1**	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	710 UJB	**1260 J**	**907 J**	755 UJ	**1130 J**	**1220 J**	**1290 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	**4.7 J**	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**6930**	**1610**	1000 U	**2050**	**1900**	**2790**	**12900**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	**1.7 JB**	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**8.2 JB**	**6.2 JB**	**4.0 JB**	**11.6 B**	**8.8 JB**	**3.7 JB**	**4.1 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				LNWmw-025	LNWmw-026	LNWmw-027	MBSmw-001	MBSmw-002	MBSmw-003	MBSmw-004
Sample ID		MCL	Region 9 PRG	FWGLNWmw-025C-1223-GF	FWGLNWmw-026C-1224-GF	FWGLNWmw-027C-1225-GF	FWGMBSmw-001C-1254-GF	FWGMBSmw-002C-1255-GF	FWGMBSmw-003C-1256-GF	FWGMBSmw-004C-1257-GF
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Aluminum	µg/L	200	36000	50.0 U	**42.9 JB**	50.0 U	50.0 U	**36.3 J**	50.0 U	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	**3.3 J**	**9.9**	5.0 U	5.0 U
Barium	µg/L	2000	2600	**28.7**	**104**	**28.2**	**110**	**105**	**15.9**	**30.1**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**39200**	**44600 J**	**62100 J**	**81500**	**69600**	**83500**	**79300**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**8.1**	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	µg/L	300	11000	**463**	**421 J**	**159 J**	**377**	**535**	37.0 UJ	50.0 U
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**11800**	**10200 J**	**19100 J**	**22600**	**17700**	**25600**	**23300**
Manganese	µg/L	50	880	**822 J**	**13.2 J**	**57.4 J**	**412**	**208**	**9.5 J**	**45.3**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**879 J**	**1290 J**	**1750 J**	**1160 J**	**1150 J**	**1150 J**	**1210 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**6740**	**11700**	**7960**	**12900**	**7500**	**4850**	**7390**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.16 UJB	0.20 UJB
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**2.7 JB**	**3.2 JB**	**2.7 JB**	**3.9 JB**	**4.1 JB**	**5.6 JB**	**3.1 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				MBSmw-005	MBSmw-006	NTAmw-107	NTAmw-108	NTAmw-109	NTAmw-110	NTAmw-111
Sample ID		MCL	Region 9 PRG	FWGMBSmw-005C-1258-GF	FWGMBSmw-006C-1259-GF	FWGNTAmw-107C-1226-GF	FWGNTAmw-108C-1227-GF	FWGNTAmw-109C-1228-GF	FWGNTAmw-110C-1229-GF	FWGNTAmw-111C-1230-GF
Date Collected				1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009	1/28/2009	1/28/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Aluminum	µg/L	200	36000	50.0 U	50.0 U	**244 J**	**293 J**	50.0 U	**271**	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	**8.6**	5.0 U	**11.9**	5.0 U	5.0 U	**15.2**	5.0 U
Barium	µg/L	2000	2600	**77.2**	**86.7**	**108**	**68.3**	**28.0**	**122**	**61.1**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**81300**	**81000**	**66700 J**	**84400 J**	**9040**	**55400**	**79900**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	µg/L	300	11000	**2840**	50.0 U	**728 J**	**385 J**	**918**	**458**	**62.7**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**24700**	**23900**	**17700 J**	**22300 J**	**4100**	**15600**	**37300**
Manganese	µg/L	50	880	**598**	**392**	**197 J**	**11.9 J**	**40.0 J**	**132**	**84.7**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	10.0 U	10.0 U	10.0 U	**4.0 J**	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**1100 J**	**1620 J**	**1440 J**	**1020 J**	**1080 J**	**1060 J**	**1020 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**11500**	**7320**	**8010**	**10200**	**1130**	**13300**	**12100**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	**0.66 J**	10.0 U
Zinc	µg/L	5000	11000	**2.5 JB**	3.3 UJ	**3.6 JB**	**5.9 JB**	**12.7 B**	**8.7 JB**	**3.3 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				NTAmw-112	NTAmw-113	NTAmw-114	NTAmw-115	NTAmw-116	NTAmw-117	NTAmw-118
Sample ID		MCL	Region 9 PRG	FWGNTAmw-112C-1231-GF	FWGNTAmw-113C-1232-GF	FWGNTAmw-114C-1233-GF	FWGNTAmw-115C-1234-GF	FWGNTAmw-116C-1235-GF	FWGNTAmw-117C-1236-GF	FWGNTAmw-118C-1237-GF
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Aluminum	µg/L	200	36000	50.0 U	**4640 J**	50.0 U	50.0 U	50.0 U	50.0 U	**19.0 JB**
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	**16.7**	**12.5**	**4.0 J**	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**31.1**	**61.6**	**74.8**	**97.2**	**16.8**	**80.7**	**14.4**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**135000 J**	**74700 J**	**104000 J**	**76500 J**	**19300 J**	**76700 J**	**64000 J**
Chromium	µg/L	100	110	5.0 U	**7.2**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	**2.1 J**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	**5.9**	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U
Iron	µg/L	300	11000	**1580 J**	**6920 J**	**76.4 J**	50.0 UJ	**107 J**	50.0 UJ	50.0 UJ
Lead	µg/L	15	NS	3.0 U	**4.7**	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**41100 J**	**35800 J**	**35800 J**	**19900 J**	**3430 J**	**18800 J**	**28800 J**
Manganese	µg/L	50	880	**502 J**	**334 J**	**537 J**	**21.7 J**	**16.7 J**	**120 J**	**33.3 J**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nickel	µg/L	NS	730	10.0 U	**7.4 J**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**1310 J**	**3020 J**	**1240 J**	**970 J**	**868 J**	**962 J**	**1060 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**18100**	**14700**	**9400**	**8860**	**1450**	**11500**	**9990**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	**8.0 J**	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**2.4 JB**	**25.8 J**	**3.0 JB**	**3.2 JB**	**3.3 JB**	**3.8 JB**	**3.3 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				RQLmw-012	RQLmw-013	RQLmw-014	RQLmw-015	RQLmw-016	RQLmw-017	WBGmw-005	WBGmw-008
Sample ID		MCL	Region 9 PRG	FWGRQLmw-012C-1238-GF	FWGRQLmw-013C-1239-GF	FWGRQLmw-014C-1240-GF	FWGRQLmw-015C-1241-GF	FWGRQLmw-016C-1242-GF	FWGRQLmw-017C-1243-GF	FWGWBGmw-005C-1244-GF	FWGWBGmw-008C-1245-GF
Date Collected				1/19/2009	1/19/2009	1/19/2009	1/19/2009	1/19/2009	1/21/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	**1480**	**5040**	50.0 U	50.0 U	50.0 U	**201 J**	50.0 U	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	0.40 UJ	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	**7.3**	5.0 U	**9.9**	5.0 U
Barium	µg/L	2000	2600	**12.7**	**24.8**	**14.7**	**0.97 J**	**12.7**	**2.4 JB**	**52.3**	**26.3**
Beryllium	µg/L	4	73	1.0 U	**0.84 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	**0.63**	0.50 U	0.50 U	0.50 U	0.50 U	0.15 UJ	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**90600**	**21300**	**30100**	**31100**	**421000**	**57000 J**	**40600 J**	**93600 J**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	**7.1**	**40.1**	**6.9**	5.0 U	**5.5**	**9.0**	**5.9**	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 UJ	0.010 UJ
Iron	µg/L	300	11000	**136**	**344**	**1200**	**363**	**10200**	50.0 U	**8070**	50.0 U
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**24000**	**9580**	**13300**	**14100**	**61600**	**23300 J**	**14100**	**21200**
Manganese	µg/L	50	880	**332**	**667**	**2230**	**840**	**7020**	**3720 J**	**1270 J**	**2.1 JB**
Mercury	µg/L	2	11	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 UJ	0.20 UJ
Nickel	µg/L	NS	730	**14.8**	**80.4**	**16.2**	**5.9 J**	**34.4**	**26.5**	**6.8 J**	10.0 U
Potassium	µg/L	NS	NS	**4740 J**	**2150 J**	**2930 J**	**1570 J**	**3510 J**	**1940 J**	**769 JB**	551 UJB
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**5740**	**23900**	**5130**	**678 J**	**7940**	**4530**	**11100**	**7870**
Thallium	µg/L	2	2.4	**0.68 J**	**1.1**	1.0 U	1.0 U	0.16 UJ	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**54.8 J**	**285 J**	**15.5 B**	**34.1 J**	**2.9 JB**	**94.4 J**	**11.9 B**	**8.3 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMPP January 2009 Inorganics Analytical Results

Station ID				WBGmw-010	WBGmw-011	WBGmw-012	WBGmw-013	WBGmw-014	WBGmw-015	WBGmw-016	WBGmw-017
Sample ID		MCL	Region 9 PRG	FWGWBGmw-010C-1246-GF	FWGWBGmw-011C-1247-GF	FWGWBGmw-012C-1248-GF	FWGWBGmw-013C-1249-GF	FWGWBGmw-014C-1250-GF	FWGWBGmw-015C-1251-GF	FWGWBGmw-016C-1252-GF	FWGWBGmw-017C-1253-GF
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
Aluminum	µg/L	200	36000	**201 J**	**36.0 J**	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U
Antimony	µg/L	6	15	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Arsenic	µg/L	10	0.045	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Barium	µg/L	2000	2600	**24.1**	**43.5**	**29.2**	**17.4**	**14.8**	**54.6**	**25.6**	**52.0**
Beryllium	µg/L	4	73	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cadmium	µg/L	5	18	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Calcium	µg/L	NS	NS	**104000 J**	**91000 J**	**85200 J**	**42200 J**	**68300 J**	**97900 J**	**76400 J**	**68600 J**
Chromium	µg/L	100	110	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cobalt	µg/L	NS	730	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Copper	µg/L	1300	1500	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Cyanide	mg/L	0.2	0.73	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ	0.010 UJ
Iron	µg/L	300	11000	**333**	**42.1 J**	50.0 U	50.0 U	50.0 U	50.0 U	50.0 U	**199**
Lead	µg/L	15	NS	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	3.0 U
Magnesium	µg/L	NS	NS	**38200**	**19100**	**25900**	**12100**	**17100**	**33000**	**17500**	**18500**
Manganese	µg/L	50	880	**184 J**	**21.2 J**	**0.69 JB**	**31.2 J**	**74.5 J**	**18.6 J**	**1.9 JB**	**174 J**
Mercury	µg/L	2	11	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	µg/L	NS	730	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Potassium	µg/L	NS	NS	**810 J**	**4080 J**	**880 J**	666 UJB	**1520 J**	**1240 J**	**1010 J**	**923 J**
Selenium	µg/L	50	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Silver	µg/L	100	180	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Sodium	µg/L	NS	NS	**20200**	**5220**	**4030**	**2470**	**5760**	**15500**	**3840**	**4740**
Thallium	µg/L	2	2.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vanadium	µg/L	NS	36	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Zinc	µg/L	5000	11000	**7.2 JB**	**5.6 JB**	**6.4 JB**	**8.0 JB**	**4.1 JB**	**7.9 JB**	**6.0 JB**	**3.7 JB**

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-4 FWGWMP January 2009 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) 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.

Table 3-5 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 3-6. The following VOCs were detected above the MDL for this sampling event.

- Acetone –LL6mw-004 (10 µg/L), CBPmw-008 (2.0 µg/L J B), MBSmw-005 (1.1 µg/L J B). There is no MCL for acetone. The Region 9 PRG is 5,500 µg/L.
- 2-Butanone – B12mw-010 (0.69 µg/L J). There is no MCL for 2-Butanone. The Region 9 PRG is 7,000 µg/L.
- Benzene – LL6mw-004 (1.0 µg/L). The MCL for benzene is 5 µg/L. The Region 9 PRG is 0.35 µg/L J.
- Carbon Tetrachloride – LL10mw-003 (3.7 µg/L). The MCL for carbon tetrachloride is 5 µg/L. The Region 9 PRG is 0.17 µg/L.
- Chloroform – LL10mw-003 (0.40 µg/L J B). There is no MCL for chlororform. The Region 9 PRG is 0.17 µg/L.
- 1,1-Dichloroethane – LL7mw-001 (3.5 µg/L). The is no MCL for 1,1-dichloroethane. The Region 9 PRG is 810 µg/L.
- 1,1-Dichloroethene – LL7mw-001 (7.6 µg/L). The MCL for 1,1-dichlorethene is 7 µg/L. The Region 9 PRG is 340 µg/L.
- Methylene Chloride – MBSmw-005 (0.51 µg/L J). There is no MCL for methylene chloride. The Region 9 PRG is 4.3 µg/L.
- 1,1,1-Trichloroethane – LL7mw-001 (13 µg/L J). There is no MCL for 1,1,1-trichloroethane. The Region 9 PRG is 3,200 µg/L.
- Toluene –NTAmw-113 (0.25 µg/L J). The MCL for toluene is 1,000 µg/L. The Region 9 PRG is 720 µg/L.

As shown in Table 3-6, the only VOCs detected at levels above the MCLs or Region 9 PRGs during the January 2009 event were:

- Benzene was detected in one well at a concentration exceeding the Region 9 PRG of 0.35 µg/L [LL6mw-004 (1.0 µg/L)].
- Carbon Tetrachloride was detected at a concentration exceeding the Region 9 PRG of 0.17 µg/L [LL10mw-003 (3.7 µg/L)].
- Chloroform was detected in one well at a concentration exceeding the Region 9 PRG of 0.17 µg/L [LL10mw-003 (0.40 µg/L J B)].

- 1,1-Dichloroethene was detected at a concentration exceeding the MCL of 7 µg/L [LL7mw-001 (7.6 µg/L)].

3.2.4 Semivolatile Organic Compounds (SVOCs)

SVOC analytical results are summarized in Table 3-7. 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).

- Bis(2-Ethylhexyl)phthalate – LL5mw-003 (1.7 µg/L J B), LL5mw-006 (2.5 µg/L J B), LL6mw-002 (1.2 µg/L J B), LL6mw-004 (1.1 µg/L J B), LL7mw-001 (1.1 µg/L J), LL7mw-002 (1.1 µg/L J B), LL7mw-003 (1.3 µg/L J B), LL7mw-004 (2.4 µg/L J B), LL7mw-005 (1.2 µg/L J B), LL7mw-006 (1.2 µg/L J), LL8mw-001 (1.1 µg/L J), LL8mw-003 (30 µg/L), LL8mw-004 (1.0 µg/L J), LL8mw-005 (5.3 µg/L J), LL8mw-006 (2.3 µg/L J), LL9mw-001 (0.93 µg/L J), LL9mw-002 (20 µg/L), LL9mw-003 (0.87 µg/L J), LL9mw-004 (1.1 µg/L J), LL9mw-005 (1.4 µg/L J B), LL9mw-006 (1.3 µg/L J), LL10mw-001 (1.1µg/L J), LL10mw-004 (1.3 µg/L J), LL10mw-005 (0.97 µg/L J), LL11mw-001 (1.0 µg/L J B), LL11mw-003 (1.0 µg/L J B), LL11mw-004 (0.98 µg/L J B), LL11mw-005 (1.2 µg/L J B), LL11mw-006 (1.4 µg/L J B), LL11mw-008 (9.4 µg/L J B), LL11mw-010 (1.5µg/L J B), B12mw-010 (11 µg/L B), B12mw-011 (2.0 µg/L J B), CBLmw-001 (1.8 µg/L J B), CBLmw-002 (2.5 µg/L J B), CBLmw-003 (1.9 µg/L J B), CBLmw-004 (1.1 µg/L J B), CBPmw-001 (1.4 µg/L J B), CBPmw-002 (1.2 µg/L J B), CBPmw-003 (2.2 µg/L J B), CBPmw-004 (2.1 µg/L J B), CBPmw-008 (1.4 µg/L J), CPmw-001 (1.3 µg/LJ B), CPmw-002 (2.0 µg/L J B), CPmw-003 (1.4 µg/L J B), CPmw-004 (3.3 µg/L J B), CPmw-005 (3.8 µg/L J B), CPmw-006 (1.4 µg/L J B), DA2mw-105 (1.1 µg/L J B), DA2mw-106 (0.98 µg/L J B), DA2mw-108 (1.3 µg/L J B), DA2mw-109 (1.4 µg/L J B),DA2mw-110 (2.6 µg/L J B), DA2mw-111 (1.4 µg/L J B), DA2mw-112 (1.1 µg/L J B), DA2mw-113 (1.2 µg/L J B), EBGmw-123 (1.6 µg/L J B), EBGmw-124 (1.2 µg/L J B), EBGmw-125 (2.2 µg/L J B), EBGmw-127 (1.4 µg/L J B), EBGmw-128 (1.8 µg/L J B), EBGmw-129 (1.7 µg/L J B), FBQmw-166 (1.7 µg/L J B), FBQmw-167 (1.8 µg/L J B), FBQmw-168 (1.2 µg/L J B), FBQmw-169 (1.6 µg/L J B), FBQmw-170 (1.6 µg/L J B), FBQmw-171 (1.0 µg/L J B), FBQmw-172 (1.6 µg/L J B), FBQmw-173 (1.4 µg/L J B), FBQmw-174 (1.2 µg/L J B), FBQmw-175 (1.0 µg/L J B), FBQmw-177 (1.2 µg/L J B), LNWmw-024 (1.7 µg/L J B), LNWmw-025 (1.6 µg/L J B), LNWmw-026 (1.7 µg/L J B), LNWmw-027 (2.3 µg/L J B), MBSmw-001 (1.2 µg/L J B), MBSmw-002 (1.9 µg/L J B), MBSmw-003 (2.7 µg/L J B), MBSmw-004 (1.5 µg/L J B), MBSmw-005 (1.2 µg/L J B), MBSmw-006 (1.0 µg/L J B), NTAmw-107 (0.96 µg/L J B), NTAmw-108 (1.2 µg/L J B), NTAmw-109 (1.5 µg/L J B), NTAmw-110 (0.98 µg/L J B), NTAmw-111 (1.2 µg/L J B), NTAmw-112 (2.0 µg/L J B), NTAmw-113 (1.7 µg/L J B), NTAmw-115 (1.9 µg/L J B), NTAmw-116 (1.8 µg/L J B), NTAmw-117 (1.9 µg/L J B), NTAmw-118 (1.9

μg/L J), RQLmw-012 (1.5 μg/L J B), RQLmw-013 (1.5 μg/L J), RQLmw-014 (2.2 μg/L J B), RQLmw-015 (4.0 μg/L J B),RQLmw-016 (2.7 μg/L J B), RQLmw-017 (3.3 μg/L J B), WBGmw-005 (1.2 μg/L J B), WBGmw-010 (6.2 μg/L J B), WBGmw-011 (1.5 μg/L J B),WBGmw-012 (1.2 μg/L J B), WBGmw-013 (1.8 μg/L J B), WBGmw-014 (0.96 μg/L J B), WBGmw-015 (1.1 μg/L J B), WBGmw-016 (1.1 μg/L J), WBGmw-017 (1.0 μg/L J B). There is no MCL for Bis(2-Ethylhexyl)phthalate. The Region 9 PRG is 4.8 μg/L.

Note that method blanks associated with many of these samples had contamination for bis(2-ethylhexyl)phthalate below 1/2 the method reporting limit (MRL). The low level detections (i.e. < RL) in these samples are therefore attributed to low level laboratory contamination and were flagged with a B qualifier.

- 2-Methylnapthalene – CPmw-006 (0.71 μg/L J). There is no MCL or Region 9 PRG for 2-methylnapthalene.

As shown in Table 3-7 the only SVOC detected at levels above the Region 9 PRGs was:

- Bis(2-Ethylhexyl)phthalate at LL8mw-003 (30 μg/L), LL8mw-005 (5.3 μg/L J), LL9mw-002 (20 μg/L). The Region 9 PRG is 4.8 μg/L.

  Note that several other wells had detected concentrations of bis(2-Ethylhexyl)phthalate above the Region 9 PRG but these were attributed to method blank contamination.

3.2.5 Pesticides and Polychlorinated Biphenyls (PCBs)

Pesticides and PCBs analytical results are summarized in Table 3-8. The following pesticides and PCBs were detected above the MDL for this sampling event.

- Aldrin – (FBQmw-172 (0.029 μg/L J). There is no MCL for aldrin. The Region 9 PRG is 0.004 μg/L.

- beta-BHC – LL5mw-006 (0.012 μg/L J), LL6mw-002 (0.015 μg/L J), LL6mw-004 (0.094 μg/L J), LL6mw-005 (0.011 μg/L J), LL7mw-005 (0.0087 μg/L J), LL8mw-003 (0.023 μg/L J), CBLmw-004 (0.0088 μg/L J), CBPmw-003 (0.010 μg/L J), DA2mw-112 (0.0098 μg/L J), FBQmw-166 (0.015 μg/L J), LNWmw-025 (0.012 μg/L J), MBSmw-003 (0.014 μg/L J), MBSmw-006 (0.011 μg/L J), NTAmw-108 (0.012 μg/L J), RQLmw-013 (0.0083 μg/L J), RQLmw-017 (0.019 μg/L J), WBGmw-011 (0.0098 μg/L J), WBGmw-015 (0.017 μg/L J). There is no MCL for beta-BHC. The Region 9 PRG is 0.037 μg/L.

- gamma-BHC – NTAmw-112 (0.0088 μg/L J). The MCL for gamma-BHC is 0.2 μg/L. The Region 9 PRG is 0.052 μg/L.

- Heptachlor – DA2mw-106 (0.0081 μg/L J). The MCL for heptachlor is 0.4 μg/L. The Region 9 PRG is 0.015 μg/L.

As shown in Table 3-6 the only pesticides/PCBs detected at levels above the Region 9 PRGs was:

- Aldrin at FBQmw-172 (0.029 μg/L J). The Region 9 PRG is 0.004 μg/L.
- beta-BHC at LL6mw-004 (0.094 μg/L J). The Region 9 PRG is 0.037 μg/L

3.2.6 Perchlorates

Perchlorate analysis was performed for only one well during this monitoring event. NTAmw-115 had a detected perchlorate concentration of 0.022 μg/L J. The Region 9 PRG for perchlorate is 3.6 μg/L for the July 2008 event. There is no MCL for perchlorate. On February 18, 2005, the USEPA established a Drinking Water Equivalent Level (DWEL) for perchlorate which is set at 24.5 μg/L.

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				LL1mw-064	LL5mw-001	LL5mw-002	LL5mw-003	LL5mw-004	LL5mw-005	LL5mw-006	LL6mw-001
Sample ID		MCL	Region 9 PRG	FWGLL1mw-064C-1128-GW	FWGLL5mw-001C-1129-GW	FWGLL5mw-002C-1130-GW	FWGLL5mw-003C-1131-GW	FWGLL5mw-004C-1132-GW	FWGLL5mw-005C-1133-GW	FWGLL5mw-006C-1134-GW	FWGLL6mw-001C-1135-GW
Date Collected				1/22/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/21/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	10 UJ	10 UJ	10 U	10 U	10 UJ	10 UJ	10 UJ
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				LL6mw-002	LL6mw-003	LL6mw-004	LL6mw-005	LL6mw-006	LL6mw-007	LL7mw-001	LL7mw-002
Sample ID		MCL	Region 9 PRG	FWGLL6mw-002C-1136-GW	FWGLL6mw-003C-1137-GW	FWGLL6mw-004C-1138-GW	FWGLL6mw-005C-1139-GW	FWGLL6mw-006C-1140-GW	FWGLL6mw-007C-1141-GW	FWGLL7mw-001C-1142-GW	FWGLL7mw-002C-1143-GW
Date Collected				1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	**13**	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	**3.5**	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	**7.6**	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	NS	NS	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 UJ	10 UJ	**10**	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	**1.0**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				LL7mw-003	LL7mw-004	LL7mw-005	LL7mw-006	LL8mw-001	LL8mw-002	LL8mw-003	LL8mw-004
Sample ID		MCL	Region 9 PRG	FWGLL7mw-003C-1144-GW	FWGLL7mw-004C-1145-GW	FWGLL7mw-005C-1146-GW	FWGLL7mw-006C-1147-GW	FWGLL8mw-001C-1148-GW	FWGLL8mw-002C-1149-GW	FWGLL8mw-003C-1150-GW	FWGLL8mw-004C-1151-GW
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 U	10 UJ
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Styrene	µg/L	100	1600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				LL8mw-005	LL8mw-006	LL9mw-001	LL9mw-002	LL9mw-003	LL9mw-004	LL9mw-005	LL9mw-006
Sample ID		MCL	Region 9 PRG	FWGLL8mw-005C-1152-GW	FWGLL8mw-006C-1153-GW	FWGLL9mw-001C-1154-GW	FWGLL9mw-002C-1155-GW	FWGLL9mw-003C-1156-GW	FWGLL9mw-004C-1157-GW	FWGLL9mw-005C-1158-GW	FWGLL9mw-006C-1159-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	10 U	10 UJ	10 U	10 U	10 UJ	10 U	10 UJ
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				LL9mw-007	LL10mw-001	LL10mw-002	LL10mw-003	LL10mw-004	LL10mw-005	LL10mw-006	LL11mw-001
Sample ID		MCL	Region 9 PRG	FWGLL9mw-007C-1160-GW	FWGLL10mw-001C-1161-GW	FWGLL10mw-002C-1162-GW	FWGLL10mw-003C-1163-GW	FWGLL10mw-004C-1164-GW	FWGLL10mw-005C-1165-GW	FWGLL10mw-006C-1166-GW	FWGLL11mw-001C-1167-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	**3.7**	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	**0.40 JB**	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Styrene	µg/L	100	1600	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				LL11mw-003	LL11mw-004	LL11mw-005	LL11mw-006	LL11mw-008	LL11mw-010	B12mw-010	B12mw-011
Sample ID		MCL	Region 9 PRG	FWGLL11mw-003C-1168-GW	FWGLL11mw-004C-1169-GW	FWGLL11mw-005C-1170-GW	FWGLL11mw-006C-1171-GW	FWGLL11mw-008C-1172-GW	FWGLL11mw-010C-1174-GW	FWGB12mw-010C-1175-GW	FWGB12mw-011C-1176-GW
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	10 U	10 U	10 U	10 U	10 U	10 U	**0.69 J**	10 U
2-Hexanone	µg/L	NS	NS	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
Acetone	µg/L	NS	5500	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				B12mw-012	CBLmw-001	CBLmw-002	CBLmw-003	CBLmw-004	CBPmw-001	CBPmw-002	CBPmw-003
Sample ID		MCL	Region 9 PRG	FWGB12mw-012C-1177-GW	FWGCBLmw-001C-1178-GW	FWGCBLmw-002C-1179-GW	FWGCBLmw-003C-1180-GW	FWGCBLmw-004C-1181-GW	FWGCBPmw-001C-1182-GW	FWGCBPmw-002C-1183-GW	FWGCBPmw-003C-1184-GW
Date Collected				1/19/2009	1/20/2009	1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 UJ	10 UJ	10 UJ	10 UJ	10 U	10 U	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	µg/L	100	1600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				CBPmw-004	CBPmw-008	CPmw-001	CPmw-002	CPmw-003	CPmw-004	CPmw-005	CPmw-006
Sample ID		MCL	Region 9 PRG	FWGCBPmw-004C-1185-GW	FWGCBPmw-008C-1186-GW	FWGCPmw-001C-1187-GW	FWGCPmw-002C-1188-GW	FWGCPmw-003C-1189-GW	FWGCPmw-004C-1190-GW	FWGCPmw-005C-1191-GW	FWGCPmw-006C-1192-GW
Date Collected				1/21/2009	1/21/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	**2.0 JB**	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				DA2mw-104	DA2mw-105	DA2mw-106	DA2mw-108	DA2mw-109	DA2mw-110	DA2mw-111	DA2mw-112
Sample ID		MCL	Region 9 PRG	FWGDA2MW-104C-1193-GW	FWGDA2mw-105C-1194-GW	FWGDA2mw-106C-1195-GW	FWGDA2mw-108C-1196-GW	FWGDA2MW-109C-1197-GW	FWGDA2mw-110C-1198-GW	FWGDA2mw-111C-1199-GW	FWGDA2mw-112C-1200-GW
Date Collected				1/23/2009	1/26/2009	1/26/2009	1/26/2009	1/23/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 UJ	10 U	10 U	10 U	10 UJ	10 U	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 U
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				DA2mw-113	EBGmw-123	EBGmw-124	EBGmw-125	EBGmw-126	EBGmw-127	EBGmw-128	EBGmw-129
Sample ID		MCL	Region 9 PRG	FWGDA2mw-113C-1201-GW	FWGEBGmw-123C-1202-GW	FWGEBGmw-124C-1203-GW	FWGEBGmw-125C-1204-GF	FWGEBGMW-126C-1205-GW	FWGEBGmw-127C-1206-GW	FWGEBGmw-128C-1207-GW	FWGEBGmw-129C-1208-GW
Date Collected				1/26/2009	1/20/2009	1/20/2009	1/20/2009	1/22/2009	1/20/2009	1/20/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	10 UJ	10 UJ	10 UJ	10 U	10 UJ	10 UJ	10 UJ
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				EBGmw-130	FBQmw-166	FBQmw-167	FBQmw-168	FBQmw-169	FBQmw-170	FBQmw-171	FBQmw-172
Sample ID		MCL	Region 9 PRG	FWGEBGmw-130C-1209-GW	FWGFBQmw-166C-1210-GW	FWGFBQmw-167C-1211-GW	FWGFBQmw-168C-1212-GW	FWGFBQmw-169C-1213-GW	FWGFBQmw-170C-1214-GW	FWGFBQmw-171C-1215-GW	FWGFBQmw-172C-1216-GW
Date Collected				1/21/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	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	10 U	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Styrene	µg/L	100	1600	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				FBQmw-173	FBQmw-174	FBQmw-175	FBQmw-176	FBQmw-177	LNWmw-024	LNWmw-025	LNWmw-026
Sample ID		MCL	Region 9 PRG	FWGFBQmw-173C-1217-GW	FWGFBQmw-174C-1218-GW	FWGFBQmw-175C-1219-GW	FWGFBQmw-176C-1220-GW	FWGFBQmw-177C-1221-GW	FWGLNWmw-024C-1222-GW	FWGLNWmw-025C-1223-GW	FWGLNWmw-026C-1224-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	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	10 U	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Styrene	µg/L	100	1600	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				LNWmw-027	MBSmw-001	MBSmw-002	MBSmw-003	MBSmw-004	MBSmw-005	MBSmw-006	NTAmw-107
Sample ID		MCL	Region 9 PRG	FWGLNWmw-027C-1225-GW	FWGMBSmw-001C-1254-GW	FWGMBSmw-002C-1255-GW	FWGMBSmw-003C-1256-GW	FWGMBSmw-004C-1257-GW	FWGMBSmw-005C-1258-GW	FWGMBSmw-006C-1259-GW	FWGNTAmw-107C-1226-GW
Date Collected				1/27/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	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	**1.1 JB**	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	**0.51 J**	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Styrene	µg/L	100	1600	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				NTAmw-108	NTAmw-109	NTAmw-110	NTAmw-111	NTAmw-112	NTAmw-113	NTAmw-114	NTAmw-115
Sample ID		MCL	Region 9 PRG	FWGNTAmw-108C-1227-GW	FWGNTAmw-109C-1228-GW	FWGNTAmw-110C-1229-GW	FWGNTAmw-111C-1230-GW	FWGNTAmw-112C-1231-GW	FWGNTAmw-113C-1232-GW	FWGNTAmw-114C-1233-GW	FWGNTAmw-115C-1234-GW
Date Collected				1/27/2009	1/27/2009	1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	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	10 U	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Styrene	µg/L	100	1600	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**0.25 J**	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				NTAmw-116	NTAmw-117	NTAmw-118	RQLmw-012	RQLmw-013	RQLmw-014	RQLmw-015
Sample ID		MCL	Region 9 PRG	FWGNTAmw-116C-1235-GW	FWGNTAmw-117C-1236-GW	FWGNTAmw-118C-1237-GW	FWGRQLmw-012C-1238-GW	FWGRQLmw-013C-1239-GW	FWGRQLmw-014C-1240-GW	FWGRQLmw-015C-1241-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/19/2009	1/19/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	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	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				RQLmw-016	RQLmw-017	WBGmw-005	WBGmw-008	WBGmw-010	WBGmw-011	WBGmw-012
Sample ID		MCL	Region 9 PRG	FWGRQLmw-016C-1242-GW	FWGRQLmw-017C-1243-GW	FWGWBGmw-005C-1244-GW	FWGWBGmw-008C-1245-GW	FWGWBGmw-010C-1246-GW	FWGWBGmw-011C-1247-GW	FWGWBGmw-012C-1248-GW
Date Collected				1/19/2009	1/19/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	µg/L	NS	7000	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
4-Methyl-2-pentanone	µg/L	NS	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	µg/L	NS	5500	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	5	0.35	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs Analytical results

Station ID				WBGmw-013	WBGmw-014	WBGmw-015	WBGmw-016	WBGmw-017
Sample ID		MCL	Region 9 PRG	FWGWBGmw-013C-1249-GW	FWGWBGmw-014C-1250-GW	FWGWBGmw-015C-1251-GW	FWGWBGmw-016C-1252-GW	FWGWBGmw-017C-1253-GW
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab
Analyte	Units							
1,1,1-Trichloroethane	µg/L	NS	3200	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	NS	0.052	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	NS	0.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	NS	810	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (total)	µg/L	7	340	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	µg/L	NS	0.0056	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	5	0.12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (total)	µg/L	NS	NS	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dichloropropane	µg/L	5	0.16	1.0 U	1.0 U	1.0 U	1.0 U	1.0 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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	NS	0.18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	NS	8.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	µg/L	NS	8.7	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	NS	1000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	5	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	NS	110	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	NS	4.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	µg/L	NS	0.17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	NS	160	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-dichloroethene	µg/L	70	61	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	NS	0.13	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	700	1300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-xylenes	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene chloride	µg/L	NS	4.3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
o-xylene	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	100	1600	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	5	0.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1000	720	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	µg/L	10000	210	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,2-dichloroethene	µg/L	100	120	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	NS	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	5	0.028	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	2	0.02	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Notes:

NS = no standard

Bold = detected compound above the MDL

Table 3-6 FWGWMP January 2009 VOCs 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) 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.

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL1mw-064	LL5mw-001	LL5mw-002	LL5mw-003	LL5mw-004	LL5mw-005	LL5mw-006
Sample ID		MCL	Region 9 PRG	FWGLL1mw-064C-1128-GW	FWGLL5mw-001C-1129-GW	FWGLL5mw-002C-1130-GW	FWGLL5mw-003C-1131-GW	FWGLL5mw-004C-1132-GW	FWGLL5mw-005C-1133-GW	FWGLL5mw-006C-1134-GW
Date Collected				1/22/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL1mw-064	LL5mw-001	LL5mw-002	LL5mw-003	LL5mw-004	LL5mw-005	LL5mw-006
Sample ID		MCL	Region 9 PRG	FWGLL1mw-064C-1128-GW	FWGLL5mw-001C-1129-GW	FWGLL5mw-002C-1130-GW	FWGLL5mw-003C-1131-GW	FWGLL5mw-004C-1132-GW	FWGLL5mw-005C-1133-GW	FWGLL5mw-006C-1134-GW
Date Collected				1/22/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	10 U	10 U	**1.7 JB**	10 U	10 U	**2.5 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL6mw-001	LL6mw-002	LL6mw-003	LL6mw-004	LL6mw-005	LL6mw-006	LL6mw-007
Sample ID		MCL	Region 9 PRG	FWGLL6mw-001C-1135-GW	FWGLL6mw-002C-1136-GW	FWGLL6mw-003C-1137-GW	FWGLL6mw-004C-1138-GW	FWGLL6mw-005C-1139-GW	FWGLL6mw-006C-1140-GW	FWGLL6mw-007C-1141-GW
Date Collected				1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL6mw-001	LL6mw-002	LL6mw-003	LL6mw-004	LL6mw-005	LL6mw-006	LL6mw-007
Sample ID		MCL	Region 9 PRG	FWGLL6mw-001C-1135-GW	FWGLL6mw-002C-1136-GW	FWGLL6mw-003C-1137-GW	FWGLL6mw-004C-1138-GW	FWGLL6mw-005C-1139-GW	FWGLL6mw-006C-1140-GW	FWGLL6mw-007C-1141-GW
Date Collected				1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	**1.2 JB**	10 U	**1.1 JB**	10 U	10 U	10 U
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL7mw-001	LL7mw-002	LL7mw-003	LL7mw-004	LL7mw-005	LL7mw-006	LL8mw-001
Sample ID		MCL	Region 9 PRG	FWGLL7mw-001C-1142-GW	FWGLL7mw-002C-1143-GW	FWGLL7mw-003C-1144-GW	FWGLL7mw-004C-1145-GW	FWGLL7mw-005C-1146-GW	FWGLL7mw-006C-1147-GW	FWGLL8mw-001C-1148-GW
Date Collected				1/22/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL7mw-001	LL7mw-002	LL7mw-003	LL7mw-004	LL7mw-005	LL7mw-006	LL8mw-001
Sample ID		MCL	Region 9 PRG	FWGLL7mw-001C-1142-GW	FWGLL7mw-002C-1143-GW	FWGLL7mw-003C-1144-GW	FWGLL7mw-004C-1145-GW	FWGLL7mw-005C-1146-GW	FWGLL7mw-006C-1147-GW	FWGLL8mw-001C-1148-GW
Date Collected				1/22/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.1 J**	**1.1 JB**	**1.3 JB**	**2.4 JB**	**1.2 JB**	**1.2 J**	**1.1 J**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL8mw-002	LL8mw-003	LL8mw-004	LL8mw-005	LL8mw-006	LL9mw-001	LL9mw-002
Sample ID		MCL	Region 9 PRG	FWGLL8mw-002C-1149-GW	FWGLL8mw-003C-1150-GW	FWGLL8mw-004C-1151-GW	FWGLL8mw-005C-1152-GW	FWGLL8mw-006C-1153-GW	FWGLL9mw-001C-1154-GW	FWGLL9mw-002C-1155-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL8mw-002	LL8mw-003	LL8mw-004	LL8mw-005	LL8mw-006	LL9mw-001	LL9mw-002
Sample ID		MCL	Region 9 PRG	FWGLL8mw-002C-1149-GW	FWGLL8mw-003C-1150-GW	FWGLL8mw-004C-1151-GW	FWGLL8mw-005C-1152-GW	FWGLL8mw-006C-1153-GW	FWGLL9mw-001C-1154-GW	FWGLL9mw-002C-1155-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	**30**	**1.0 J**	**5.3 J**	**2.3 J**	**0.93 J**	**20**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL9mw-003	LL9mw-004	LL9mw-005	LL9mw-006	LL9mw-007	LL10mw-001	LL10mw-002
Sample ID		MCL	Region 9 PRG	FWGLL9mw-003C-1156-GW	FWGLL9mw-004C-1157-GW	FWGLL9mw-005C-1158-GW	FWGLL9mw-006C-1159-GW	FWGLL9mw-007C-1160-GW	FWGLL10mw-001C-1161-GW	FWGLL10mw-002C-1162-GW
Date Collected				1/22/2009	1/22/2009	1/23/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL9mw-003	LL9mw-004	LL9mw-005	LL9mw-006	LL9mw-007	LL10mw-001	LL10mw-002
Sample ID		MCL	Region 9 PRG	FWGLL9mw-003C-1156-GW	FWGLL9mw-004C-1157-GW	FWGLL9mw-005C-1158-GW	FWGLL9mw-006C-1159-GW	FWGLL9mw-007C-1160-GW	FWGLL10mw-001C-1161-GW	FWGLL10mw-002C-1162-GW
Date Collected				1/22/2009	1/22/2009	1/23/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**0.87 J**	**1.1 J**	**1.4 JB**	**1.3 J**	10 U	**1.1 J**	10 U
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL10mw-003	LL10mw-004	LL10mw-005	LL10mw-006	LL11mw-001	LL11mw-003	LL11mw-004
Sample ID		MCL	Region 9 PRG	FWGLL10mw-003C-1163-GW	FWGLL10mw-004C-1164-GW	FWGLL10mw-005C-1165-GW	FWGLL10mw-006C-1166-GW	FWGLL11mw-001C-1167-GW	FWGLL11mw-003C-1168-GW	FWGLL11mw-004C-1169-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009	1/23/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL10mw-003	LL10mw-004	LL10mw-005	LL10mw-006	LL11mw-001	LL11mw-003	LL11mw-004
Sample ID		MCL	Region 9 PRG	FWGLL10mw-003C-1163-GW	FWGLL10mw-004C-1164-GW	FWGLL10mw-005C-1165-GW	FWGLL10mw-006C-1166-GW	FWGLL11mw-001C-1167-GW	FWGLL11mw-003C-1168-GW	FWGLL11mw-004C-1169-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009	1/23/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	**1.3 J**	**0.97 J**	10 U	**1.0 JB**	**1.0 JB**	**0.98 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL11mw-005	LL11mw-006	LL11mw-008	LL11mw-010	B12mw-010	B12mw-011	CBLmw-001
Sample ID		MCL	Region 9 PRG	FWGLL11mw-005C-1170-GW	FWGLL11mw-006C-1171-GW	FWGLL11mw-008C-1172-GW	FWGLL11mw-010C-1174-GW	FWGB12mw-010C-1175-GW	FWGB12mw-011C-1176-GW	FWGCBLmw-001C-1178-GW
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/19/2009	1/19/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.30	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				LL11mw-005	LL11mw-006	LL11mw-008	LL11mw-010	B12mw-010	B12mw-011	CBLmw-001
Sample ID		MCL	Region 9 PRG	FWGLL11mw-005C-1170-GW	FWGLL11mw-006C-1171-GW	FWGLL11mw-008C-1172-GW	FWGLL11mw-010C-1174-GW	FWGB12mw-010C-1175-GW	FWGB12mw-011C-1176-GW	FWGCBLmw-001C-1178-GW
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/19/2009	1/19/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.2 JB**	**1.4 JB**	**9.4 JB**	**1.5 JB**	**11 B**	**2.0 JB**	**1.8 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				CBLmw-002	CBLmw-003	CBLmw-004	CBPmw-001	CBPmw-002	CBPmw-003	CBPmw-004
Sample ID		MCL	Region 9 PRG	FWGCBLmw-002C-1179-GW	FWGCBLmw-003C-1180-GW	FWGCBLmw-004C-1181-GW	FWGCBPmw-001C-1182-GW	FWGCBPmw-002C-1183-GW	FWGCBPmw-003C-1184-GW	FWGCBPmw-004C-1185-GW
Date Collected				1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.20 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				CBLmw-002	CBLmw-003	CBLmw-004	CBPmw-001	CBPmw-002	CBPmw-003	CBPmw-004
Sample ID		MCL	Region 9 PRG	FWGCBLmw-002C-1179-GW	FWGCBLmw-003C-1180-GW	FWGCBLmw-004C-1181-GW	FWGCBPmw-001C-1182-GW	FWGCBPmw-002C-1183-GW	FWGCBPmw-003C-1184-GW	FWGCBPmw-004C-1185-GW
Date Collected				1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	10 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	5.0 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 JB	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**2.5 JB**	**1.9 JB**	**1.1 JB**	**1.4 JB**	**1.2 JB**	**2.2 JB**	**2.1 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	1.0 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.20 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	1.0 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.20 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U		0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				CBPmw-008	CPmw-001	CPmw-002	CPmw-003	CPmw-004	CPmw-005	CPmw-006
Sample ID		MCL	Region 9 PRG	FWGCBPmw-008C-1186-GW	FWGCPmw-001C-1187-GW	FWGCPmw-002C-1188-GW	FWGCPmw-003C-1189-GW	FWGCPmw-004C-1190-GW	FWGCPmw-005C-1191-GW	FWGCPmw-006C-1192-GW
Date Collected				1/21/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	**0.71 J**
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				CBPmw-008	CPmw-001	CPmw-002	CPmw-003	CPmw-004	CPmw-005	CPmw-006
Sample ID		MCL	Region 9 PRG	FWGCBPmw-008C-1186-GW	FWGCPmw-001C-1187-GW	FWGCPmw-002C-1188-GW	FWGCPmw-003C-1189-GW	FWGCPmw-004C-1190-GW	FWGCPmw-005C-1191-GW	FWGCPmw-006C-1192-GW
Date Collected				1/21/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.4 JB**	**1.3 JB**	**2.0 JB**	**1.4 JB**	**3.3 JB**	**3.8 JB**	**1.4 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.34 J
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.22 J
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				DA2mw-104	DA2mw-105	DA2mw-106	DA2mw-108	DA2mw-109	DA2mw-110	DA2mw-111
Sample ID		MCL	Region 9 PRG	FWGDA2MW-104C-1193-GW	FWGDA2mw-105C-1194-GW	FWGDA2mw-106C-1195-GW	FWGDA2mw-108C-1196-GW	FWGDA2MW-109C-1197-GW	FWGDA2mw-110C-1198-GW	FWGDA2mw-111C-1199-GW
Date Collected				1/23/2009	1/26/2009	1/26/2009	1/26/2009	1/23/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				DA2mw-104	DA2mw-105	DA2mw-106	DA2mw-108	DA2mw-109	DA2mw-110	DA2mw-111
Sample ID		MCL	Region 9 PRG	FWGDA2MW-104C-1193-GW	FWGDA2mw-105C-1194-GW	FWGDA2mw-106C-1195-GW	FWGDA2mw-108C-1196-GW	FWGDA2MW-109C-1197-GW	FWGDA2mw-110C-1198-GW	FWGDA2mw-111C-1199-GW
Date Collected				1/23/2009	1/26/2009	1/26/2009	1/26/2009	1/23/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	10 U	**1.1 JB**	**0.98 JB**	**1.3 JB**	**1.4 JB**	**2.6 JB**	**1.4 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				DA2mw-112	DA2mw-113	EBGmw-123	EBGmw-124	EBGmw-125	EBGmw-126	EBGmw-127
Sample ID		MCL	Region 9 PRG	FWGDA2mw-112C-1200-GW	FWGDA2mw-113C-1201-GW	FWGEBGmw-123C-1202-GW	FWGEBGmw-124C-1203-GW	FWGEBGmw-125C-1204-GF	FWGEBGMW-126C-1205-GW	FWGEBGmw-127C-1206-GW
Date Collected				1/26/2009	1/26/2009	1/20/2009	1/20/2009	1/20/2009	1/22/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				DA2mw-112	DA2mw-113	EBGmw-123	EBGmw-124	EBGmw-125	EBGmw-126	EBGmw-127
Sample ID		MCL	Region 9 PRG	FWGDA2mw-112C-1200-GW	FWGDA2mw-113C-1201-GW	FWGEBGmw-123C-1202-GW	FWGEBGmw-124C-1203-GW	FWGEBGmw-125C-1204-GF	FWGEBGMW-126C-1205-GW	FWGEBGmw-127C-1206-GW
Date Collected				1/26/2009	1/26/2009	1/20/2009	1/20/2009	1/20/2009	1/22/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.1 JB**	**1.2 JB**	**1.6 JB**	**1.2 JB**	**2.2 JB**	10 U	**1.4 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				EBGmw-128	EBGmw-129	EBGmw-130	FBQmw-166	FBQmw-167	FBQmw-168	FBQmw-169
Sample ID		MCL	Region 9 PRG	FWGEBGmw-128C-1207-GW	FWGEBGmw-129C-1208-GW	FWGEBGmw-130C-1209-GW	FWGFBQmw-166C-1210-GW	FWGFBQmw-167C-1211-GW	FWGFBQmw-168C-1212-GW	FWGFBQmw-169C-1213-GW
Date Collected				1/20/2009	1/20/2009	1/21/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				EBGmw-128	EBGmw-129	EBGmw-130	FBQmw-166	FBQmw-167	FBQmw-168	FBQmw-169
Sample ID		MCL	Region 9 PRG	FWGEBGmw-128C-1207-GW	FWGEBGmw-129C-1208-GW	FWGEBGmw-130C-1209-GW	FWGFBQmw-166C-1210-GW	FWGFBQmw-167C-1211-GW	FWGFBQmw-168C-1212-GW	FWGFBQmw-169C-1213-GW
Date Collected				1/20/2009	1/20/2009	1/21/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.8 JB**	**1.7 JB**	10 U	**1.7 JB**	**1.8 JB**	**1.2 JB**	**1.6 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				FBQmw-170	FBQmw-171	FBQmw-172	FBQmw-173	FBQmw-174	FBQmw-175	FBQmw-176
Sample ID		MCL	Region 9 PRG	FWGFBQmw-170C-1214-GW	FWGFBQmw-171C-1215-GW	FWGFBQmw-172C-1216-GW	FWGFBQmw-173C-1217-GW	FWGFBQmw-174C-1218-GW	FWGFBQmw-175C-1219-GW	FWGFBQmw-176C-1220-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				FBQmw-170	FBQmw-171	FBQmw-172	FBQmw-173	FBQmw-174	FBQmw-175	FBQmw-176
Sample ID		MCL	Region 9 PRG	FWGFBQmw-170C-1214-GW	FWGFBQmw-171C-1215-GW	FWGFBQmw-172C-1216-GW	FWGFBQmw-173C-1217-GW	FWGFBQmw-174C-1218-GW	FWGFBQmw-175C-1219-GW	FWGFBQmw-176C-1220-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.6 JB**	**1.0 JB**	**1.6 JB**	**1.4 JB**	**1.2 JB**	**1.0 JB**	10 U
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				FBQmw-177	LNWmw-024	LNWmw-025	LNWmw-026	LNWmw-027	MBSmw-001	MBSmw-002
Sample ID		MCL	Region 9 PRG	FWGFBQmw-177C-1221-GW	FWGLNWmw-024C-1222-GW	FWGLNWmw-025C-1223-GW	FWGLNWmw-026C-1224-GW	FWGLNWmw-027C-1225-GW	FWGMBSmw-001C-1254-GW	FWGMBSmw-002C-1255-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/28/2009	1/28/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				FBQmw-177	LNWmw-024	LNWmw-025	LNWmw-026	LNWmw-027	MBSmw-001	MBSmw-002
Sample ID		MCL	Region 9 PRG	FWGFBQmw-177C-1221-GW	FWGLNWmw-024C-1222-GW	FWGLNWmw-025C-1223-GW	FWGLNWmw-026C-1224-GW	FWGLNWmw-027C-1225-GW	FWGMBSmw-001C-1254-GW	FWGMBSmw-002C-1255-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/28/2009	1/28/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.2 JB**	**1.7 JB**	**1.6 JB**	**1.7 JB**	**2.3 JB**	**1.2 JB**	**1.9 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				MBSmw-003	MBSmw-004	MBSmw-005	MBSmw-006	NTAmw-107	NTAmw-108	NTAmw-109
Sample ID		MCL	Region 9 PRG	FWGMBSmw-003C-1256-GW	FWGMBSmw-004C-1257-GW	FWGMBSmw-005C-1258-GW	FWGMBSmw-006C-1259-GW	FWGNTAmw-107C-1226-GW	FWGNTAmw-108C-1227-GW	FWGNTAmw-109C-1228-GW
Date Collected				1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				MBSmw-003	MBSmw-004	MBSmw-005	MBSmw-006	NTAmw-107	NTAmw-108	NTAmw-109
Sample ID		MCL	Region 9 PRG	FWGMBSmw-003C-1256-GW	FWGMBSmw-004C-1257-GW	FWGMBSmw-005C-1258-GW	FWGMBSmw-006C-1259-GW	FWGNTAmw-107C-1226-GW	FWGNTAmw-108C-1227-GW	FWGNTAmw-109C-1228-GW
Date Collected				1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**2.7 JB**	**1.5 JB**	**1.2 JB**	**1.0 JB**	**0.96 JB**	**1.2 JB**	**1.5 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				NTAmw-110	NTAmw-111	NTAmw-112	NTAmw-113	NTAmw-114	NTAmw-115	NTAmw-116
Sample ID		MCL	Region 9 PRG	FWGNTAmw-110C-1229-GW	FWGNTAmw-111C-1230-GW	FWGNTAmw-112C-1231-GW	FWGNTAmw-113C-1232-GW	FWGNTAmw-114C-1233-GW	FWGNTAmw-115C-1234-GW	FWGNTAmw-116C-1235-GW
Date Collected				1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				NTAmw-110	NTAmw-111	NTAmw-112	NTAmw-113	NTAmw-114	NTAmw-115	NTAmw-116
Sample ID		MCL	Region 9 PRG	FWGNTAmw-110C-1229-GW	FWGNTAmw-111C-1230-GW	FWGNTAmw-112C-1231-GW	FWGNTAmw-113C-1232-GW	FWGNTAmw-114C-1233-GW	FWGNTAmw-115C-1234-GW	FWGNTAmw-116C-1235-GW
Date Collected				1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**0.98 JB**	**1.2 JB**	**2.0 JB**	**1.7 JB**	10 UJ	**1.9 JB**	**1.8 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				NTAmw-117	NTAmw-118	RQLmw-012	RQLmw-013	RQLmw-014	RQLmw-015
Sample ID		MCL	Region 9 PRG	FWGNTAmw-117C-1236-GW	FWGNTAmw-118C-1237-GW	FWGRQLmw-012C-1238-GW	FWGRQLmw-013C-1239-GW	FWGRQLmw-014C-1240-GW	FWGRQLmw-015C-1241-GW
Date Collected				1/27/2009	1/27/2009	1/19/2009	1/19/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				NTAmw-117	NTAmw-118	RQLmw-012	RQLmw-013	RQLmw-014	RQLmw-015
Sample ID		MCL	Region 9 PRG	FWGNTAmw-117C-1236-GW	FWGNTAmw-118C-1237-GW	FWGRQLmw-012C-1238-GW	FWGRQLmw-013C-1239-GW	FWGRQLmw-014C-1240-GW	FWGRQLmw-015C-1241-GW
Date Collected				1/27/2009	1/27/2009	1/19/2009	1/19/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 UJ	10 UJ	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.9 JB**	**1.9 JB**	**1.5 JB**	**1.5 JB**	**2.2 JB**	**4.0 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.27
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				RQLmw-016	RQLmw-017	WBGmw-005	WBGmw-008	WBGmw-010	WBGmw-011
Sample ID		MCL	Region 9 PRG	FWGRQLmw-016C-1242-GW	FWGRQLmw-017C-1243-GW	FWGWBGmw-005C-1244-GW	FWGWBGmw-008C-1245-GW	FWGWBGmw-010C-1246-GW	FWGWBGmw-011C-1247-GW
Date Collected				1/19/2009	1/20/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				RQLmw-016	RQLmw-017	WBGmw-005	WBGmw-008	WBGmw-010	WBGmw-011
Sample ID		MCL	Region 9 PRG	FWGRQLmw-016C-1242-GW	FWGRQLmw-017C-1243-GW	FWGWBGmw-005C-1244-GW	FWGWBGmw-008C-1245-GW	FWGWBGmw-010C-1246-GW	FWGWBGmw-011C-1247-GW
Date Collected				1/19/2009	1/20/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 UJ	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**2.7 JB**	**3.3 JB**	**1.2 JB**	**10 U**	**6.2 JB**	**1.5 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				WBGmw-012	WBGmw-013	WBGmw-014	WBGmw-015	WBGmw-016	WBGmw-017
Sample ID		MCL	Region 9 PRG	FWGWBGmw-012C-1248-GW	FWGWBGmw-013C-1249-GW	FWGWBGmw-014C-1250-GW	FWGWBGmw-015C-1251-GW	FWGWBGmw-016C-1252-GW	FWGWBGmw-017C-1253-GW
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
1,2,4-Trichlorobenzene	µg/L	NS	7.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	µg/L	NS	370	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	µg/L	NS	180	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	µg/L	NS	0.5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,2-oxybis (1-chloropropane)	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2,4,5-Trichlorophenol	µg/L	NS	3600	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	µg/L	NS	3.6	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dimethylphenol	µg/L	NS	730	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2,4-Dinitrophenol	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrotoluene	µg/L	NS	73	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	µg/L	NS	36	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	µg/L	NS	490	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Chlorophenol	µg/L	NS	30	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Methylnaphthalene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
2-Methylphenol	µg/L	NS	1800	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Nitroaniline	µg/L	NS	110	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Nitrophenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
3,3'-Dichlorobenzidine	µg/L	NS	0.15	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4,6-Dinitro-2-methylphenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Bromophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloro-3-methylphenol	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chloroaniline	µg/L	NS	150	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Chlorophenyl phenyl ether	µg/L	NS	NS	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Methylphenol	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
4-Nitroanaline	µg/L	NS	3.2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
4-Nitrophenol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthene	µg/L	NS	370	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Acenaphthylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Anthracene	µg/L	NS	1800	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)anthracene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(a)pyrene	µg/L	0.2	0.0092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(b)fluoranthene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzo(g,h,i)perylene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Table 3-7 FWGWMP January 2009 SVOCs Analytical Results

Station ID				WBGmw-012	WBGmw-013	WBGmw-014	WBGmw-015	WBGmw-016	WBGmw-017
Sample ID		MCL	Region 9 PRG	FWGWBGmw-012C-1248-GW	FWGWBGmw-013C-1249-GW	FWGWBGmw-014C-1250-GW	FWGWBGmw-015C-1251-GW	FWGWBGmw-016C-1252-GW	FWGWBGmw-017C-1253-GW
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units								
Benzo(k)fluoranthene	µg/L	NS	0.92	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Benzoic acid	µg/L	NS	150000	10 U	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	µg/L	NS	NS	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Chloroethyl) ether	µg/L	NS	0.001	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
bis(2-Ethylhexyl) phthalate	µg/L	NS	4.8	**1.2 JB**	**1.8 JB**	**0.96 JB**	**1.1 JB**	**1.1 JB**	**1.0 JB**
Butyl benzyl phthalate	µg/L	NS	7300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbazole	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chrysene	µg/L	NS	9.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzo(a,h)anthracene	µg/L	NS	0.0093	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Dibenzofuran	µg/L	NS	12	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Diethyl phthalate	µg/L	NS	29,000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dimethyl phthalate	µg/L	NS	360000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-butyl phthalate	µg/L	NS	NS	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Di-n-octyl phthalate	µg/L	NS	1500	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Fluoranthene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Fluorene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobenzene	µg/L	1	0.042	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Hexachlorobutadiene	µg/L	NS	0.86	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexachlorocyclopentadiene	µg/L	50	220	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	µg/L	NS	4.8	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Indeno(1,2,3-cd)pyrene	µg/L	NS	0.092	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Isophorone	µg/L	NS	71	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	NS	6.2	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Nitrobenzene	µg/L	NS	3.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitroso-di-n-propylamine	µg/L	NS	9600	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
N-Nitrosodiphenylamine	µg/L	NS	14	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pentachlorophenol	µg/L	1	0.56	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenanthrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Phenol	µg/L	NS	11000	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Pyrene	µg/L	NS	NS	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-7 FWGWMP January 2009 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) 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.

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				LL1mw-064	LL5mw-001	LL5mw-002	LL5mw-003	LL5mw-004	LL5mw-005	LL5mw-006	LL6mw-001
Sample ID		MCL	Region 9 PRG	FWGLL1mw-064C-1128-GW	FWGLL5mw-001C-1129-GW	FWGLL5mw-002C-1130-GW	FWGLL5mw-003C-1131-GW	FWGLL5mw-004C-1132-GW	FWGLL5mw-005C-1133-GW	FWGLL5mw-006C-1134-GW	FWGLL6mw-001C-1135-GW
Date Collected				1/22/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/21/2009	1/20/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	**0.012 J**	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endrin	µg/L	2	11	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				LL6mw-002	LL6mw-003	LL6mw-004	LL6mw-005	LL6mw-006	LL6mw-007	LL7mw-001	LL7mw-002
Sample ID		MCL	Region 9 PRG	FWGLL6mw-002C-1136-GW	FWGLL6mw-003C-1137-GW	FWGLL6mw-004C-1138-GW	FWGLL6mw-005C-1139-GW	FWGLL6mw-006C-1140-GW	FWGLL6mw-007C-1141-GW	FWGLL7mw-001C-1142-GW	FWGLL7mw-002C-1143-GW
Date Collected				1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/22/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
beta-BHC	µg/L	NS	0.037	**0.015 J**	0.030 U	**0.0094 J**	**0.011 J**	0.030 UJ	0.030 UJ	0.030 U	0.030 U
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 U
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 U
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Endrin	µg/L	2	11	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 U
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 U
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				LL7mw-003	LL7mw-004	LL7mw-005	LL7mw-006	LL8mw-001	LL8mw-002	LL8mw-003	LL8mw-004
Sample ID		MCL	Region 9 PRG	FWGLL7mw-003C-1144-GW	FWGLL7mw-004C-1145-GW	FWGLL7mw-005C-1146-GW	FWGLL7mw-006C-1147-GW	FWGLL8mw-001C-1148-GW	FWGLL8mw-002C-1149-GW	FWGLL8mw-003C-1150-GW	FWGLL8mw-004C-1151-GW
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 UJ	0.030 U	**0.0087 J**	0.030 U	0.030 UJ	0.030 UJ	**0.023 J**	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 U	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 U	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endrin	µg/L	2	11	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				LL8mw-005	LL8mw-006	LL9mw-001	LL9mw-002	LL9mw-003	LL9mw-004	LL9mw-005	LL9mw-006
Sample ID		MCL	Region 9 PRG	FWGLL8mw-005C-1152-GW	FWGLL8mw-006C-1153-GW	FWGLL9mw-001C-1154-GW	FWGLL9mw-002C-1155-GW	FWGLL9mw-003C-1156-GW	FWGLL9mw-004C-1157-GW	FWGLL9mw-005C-1158-GW	FWGLL9mw-006C-1159-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009	1/22/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 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 UJ	0.025 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 UJ	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Endrin	µg/L	2	11	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				LL9mw-007	LL10mw-001	LL10mw-002	LL10mw-003	LL10mw-004	LL10mw-005	LL10mw-006	LL11mw-001
Sample ID		MCL	Region 9 PRG	FWGLL9mw-007C-1160-GW	FWGLL10mw-001C-1161-GW	FWGLL10mw-002C-1162-GW	FWGLL10mw-003C-1163-GW	FWGLL10mw-004C-1164-GW	FWGLL10mw-005C-1165-GW	FWGLL10mw-006C-1166-GW	FWGLL11mw-001C-1167-GW
Date Collected				1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/22/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endrin	µg/L	2	11	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				LL11mw-003	LL11mw-004	LL11mw-005	LL11mw-006	LL11mw-008	LL11mw-010	B12mw-010	B12mw-011
Sample ID		MCL	Region 9 PRG	FWGLL11mw-003C-1168-GW	FWGLL11mw-004C-1169-GW	FWGLL11mw-005C-1170-GW	FWGLL11mw-006C-1171-GW	FWGLL11mw-008C-1172-GW	FWGLL11mw-010C-1174-GW	FWGB12mw-010C-1175-GW	FWGB12mw-011C-1176-GW
Date Collected				1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/23/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Endrin	µg/L	2	11	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 U	0.030 UJ	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 UJ	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				CBLmw-001	CBLmw-002	CBLmw-003	CBLmw-004	CBPmw-001	CBPmw-002	CBPmw-003	CBPmw-004
Sample ID		MCL	Region 9 PRG	FWGCBLmw-001C-1178-GW	FWGCBLmw-002C-1179-GW	FWGCBLmw-003C-1180-GW	FWGCBLmw-004C-1181-GW	FWGCBPmw-001C-1182-GW	FWGCBPmw-002C-1183-GW	FWGCBPmw-003C-1184-GW	FWGCBPmw-004C-1185-GW
Date Collected				1/20/2009	1/20/2009	1/20/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
beta-BHC	µg/L	NS	0.037	0.030 UJ	0.030 UJ	0.030 U	**0.0088 J**	0.030 UJ	0.030 U	**0.010 J**	0.030 U
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 U
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 U
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Endrin	µg/L	2	11	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 U
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				CBPmw-008	CPmw-001	CPmw-002	CPmw-003	CPmw-004	CPmw-005	CPmw-006	DA2mw-104
Sample ID		MCL	Region 9 PRG	FWGCBPmw-008C-1186-GW	FWGCPmw-001C-1187-GW	FWGCPmw-002C-1188-GW	FWGCPmw-003C-1189-GW	FWGCPmw-004C-1190-GW	FWGCPmw-005C-1191-GW	FWGCPmw-006C-1192-GW	FWGDA2MW-104C-1193-GW
Date Collected				1/21/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/20/2009	1/23/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endrin	µg/L	2	11	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				DA2mw-105	DA2mw-106	DA2mw-108	DA2mw-109	DA2mw-110	DA2mw-111	DA2mw-112	DA2mw-113
Sample ID		MCL	Region 9 PRG	FWGDA2mw-105C-1194-GW	FWGDA2mw-106C-1195-GW	FWGDA2mw-108C-1196-GW	FWGDA2MW-109C-1197-GW	FWGDA2mw-110C-1198-GW	FWGDA2mw-111C-1199-GW	FWGDA2mw-112C-1200-GW	FWGDA2mw-113C-1201-GW
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/23/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	**0.0098 J**	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Endrin	µg/L	2	11	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 U	**0.0081 J**	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 U	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				EBGmw-123	EBGmw-124	EBGmw-125	EBGmw-126	EBGmw-127	EBGmw-128	EBGmw-129	EBGmw-130
Sample ID		MCL	Region 9 PRG	FWGEBGmw-123C-1202-GW	FWGEBGmw-124C-1203-GW	FWGEBGmw-125C-1204-GF	FWGEBGMW-126C-1205-GW	FWGEBGmw-127C-1206-GW	FWGEBGmw-128C-1207-GW	FWGEBGmw-129C-1208-GW	FWGEBGmw-130C-1209-GW
Date Collected				1/20/2009	1/20/2009	1/20/2009	1/22/2009	1/20/2009	1/20/2009	1/20/2009	1/21/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
beta-BHC	µg/L	NS	0.037	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 U	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 U	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 U
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Endrin	µg/L	2	11	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 U
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 U
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 U
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				FBQmw-166	FBQmw-167	FBQmw-168	FBQmw-169	FBQmw-170	FBQmw-171	FBQmw-172	FBQmw-173
Sample ID		MCL	Region 9 PRG	FWGFBQmw-166C-1210-GW	FWGFBQmw-167C-1211-GW	FWGFBQmw-168C-1212-GW	FWGFBQmw-169C-1213-GW	FWGFBQmw-170C-1214-GW	FWGFBQmw-171C-1215-GW	FWGFBQmw-172C-1216-GW	FWGFBQmw-173C-1217-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Aldrin	µg/L	NS	0.004	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	**0.029 J**	0.030 U
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
beta-BHC	µg/L	NS	0.037	**0.015 J**	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
delta-BHC	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 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 U	0.025 U
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 U	0.025 U
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Endrin	µg/L	2	11	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 UJ	0.030 U	0.030 UJ	0.030 U	0.030 U	0.030 U	0.030 U
Methoxychlor	µg/L	40	180	0.10 U	0.10 UJ	0.10 U	0.10 UJ	0.10 U	0.10 U	0.10 U	0.10 U
Toxaphene	µg/L	3	0.061	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
PCB- 1232	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
PCB- 1242	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
PCB- 1248	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
PCB- 1254	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U
PCB- 1260	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 U	0.50 UJ	0.50 U	0.50 U	0.50 U	0.50 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				FBQmw-174	FBQmw-175	FBQmw-176	FBQmw-177	LNWmw-024	LNWmw-025	LNWmw-026	LNWmw-027
Sample ID		MCL	Region 9 PRG	FWGFBQmw-174C-1218-GW	FWGFBQmw-175C-1219-GW	FWGFBQmw-176C-1220-GW	FWGFBQmw-177C-1221-GW	FWGLNWmw-024C-1222-GW	FWGLNWmw-025C-1223-GW	FWGLNWmw-026C-1224-GW	FWGLNWmw-027C-1225-GW
Date Collected				1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Aldrin	µg/L	NS	0.004	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
beta-BHC	µg/L	NS	0.037	0.15 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	**0.012 J**	0.030 UJ	0.030 U
delta-BHC	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Endrin	µg/L	2	11	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Heptachlor epoxide	µg/L	0.2	0.0074	0.15 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U
Methoxychlor	µg/L	40	180	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1232	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1242	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1248	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1254	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U
PCB- 1260	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				MBSmw-001	MBSmw-002	MBSmw-003	MBSmw-004	MBSmw-005	MBSmw-006	NTAmw-107	NTAmw-108
Sample ID		MCL	Region 9 PRG	FWGMBSmw-001C-1254-GW	FWGMBSmw-002C-1255-GW	FWGMBSmw-003C-1256-GW	FWGMBSmw-004C-1257-GW	FWGMBSmw-005C-1258-GW	FWGMBSmw-006C-1259-GW	FWGNTAmw-107C-1226-GW	FWGNTAmw-108C-1227-GW
Date Collected				1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/28/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 UJ	0.030 UJ	**0.014 J**	0.030 U	0.030 UJ	**0.011 J**	0.030 UJ	**0.012 J**
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endrin	µg/L	2	11	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				NTAmw-109	NTAmw-110	NTAmw-111	NTAmw-112	NTAmw-113	NTAmw-114	NTAmw-115	NTAmw-116
Sample ID		MCL	Region 9 PRG	FWGNTAmw-109C-1228-GW	FWGNTAmw-110C-1229-GW	FWGNTAmw-111C-1230-GW	FWGNTAmw-112C-1231-GW	FWGNTAmw-113C-1232-GW	FWGNTAmw-114C-1233-GW	FWGNTAmw-115C-1234-GW	FWGNTAmw-116C-1235-GW
Date Collected				1/27/2009	1/28/2009	1/28/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009	1/27/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units										
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 U	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endrin	µg/L	2	11	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 UJ	0.030 U	**0.0088 J**	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 U	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 U	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 U

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				NTAmw-117	NTAmw-118	RQLmw-012	RQLmw-013	RQLmw-014	RQLmw-015	RQLmw-016
Sample ID		MCL	Region 9 PRG	FWGNTAmw-117C-1236-GW	FWGNTAmw-118C-1237-GW	FWGRQLmw-012C-1238-GW	FWGRQLmw-013C-1239-GW	FWGRQLmw-014C-1240-GW	FWGRQLmw-015C-1241-GW	FWGRQLmw-016C-1242-GW
Date Collected				1/27/2009	1/27/2009	1/19/2009	1/19/2009	1/19/2009	1/19/2009	1/19/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 U	0.030 UJ	**0.0083 J**	0.030 U	0.030 U	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 U	0.025 U	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endrin	µg/L	2	11	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 U	0.030 U	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 U	0.10 U	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 U	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				RQLmw-017	WBGmw-005	WBGmw-008	WBGmw-010	WBGmw-011	WBGmw-012	WBGmw-013
Sample ID		MCL	Region 9 PRG	FWGRQLmw-017C-1243-GW	FWGWBGmw-005C-1244-GW	FWGWBGmw-008C-1245-GW	FWGWBGmw-010C-1246-GW	FWGWBGmw-011C-1247-GW	FWGWBGmw-012C-1248-GW	FWGWBGmw-013C-1249-GW
Date Collected				1/19/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab	Grab	Grab	Grab
Analyte	Units									
4,4'-DDD	µg/L	NS	0.28	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
beta-BHC	µg/L	NS	0.037	**0.019 J**	0.030 U	0.030 U	0.030 UJ	**0.0098 J**	0.030 UJ	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 UJ	0.025 U	0.025 U	0.025 UJ	0.025 UJ	0.025 UJ	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endrin	µg/L	2	11	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 UJ	0.030 U	0.030 U	0.030 UJ	0.030 UJ	0.030 UJ	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 UJ	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 UJ	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 Pesticides and PCBs Analytical Results

Station ID				WBGmw-014	WBGmw-015	WBGmw-016	WBGmw-017
Sample ID		MCL	Region 9 PRG	FWGWBGmw-014C-1250-GW	FWGWBGmw-015C-1251-GW	FWGWBGmw-016C-1252-GW	FWGWBGmw-017C-1253-GW
Date Collected				1/26/2009	1/26/2009	1/26/2009	1/26/2009
Sample Type				Grab	Grab	Grab	Grab
Analyte	Units						
4,4'-DDD	µg/L	NS	0.28	0.030 U	0.030 UJ	0.030 U	0.030 UJ
4,4'-DDE	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 U	0.030 UJ
4,4'-DDT	µg/L	NS	0.2	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Aldrin	µg/L	NS	0.004	0.030 U	0.030 UJ	0.030 U	0.030 UJ
alpha-BHC	µg/L	NS	0.011	0.030 U	0.030 UJ	0.030 U	0.030 UJ
alpha-Chordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ
beta-BHC	µg/L	NS	0.037	0.030 U	**0.017 J**	0.030 U	0.030 UJ
delta-BHC	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Dieldrin	µg/L	NS	0.0042	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Endosulfan I	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 U	0.025 UJ
Endosulfan II	µg/L	NS	0.022	0.025 U	0.025 UJ	0.025 U	0.025 UJ
Endosulfan sulfate	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Endrin	µg/L	2	11	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Endrin aldehyde	µg/L	NS	11	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Endrin ketone	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Gamma-BHC	µg/L	0.2	0.052	0.030 U	0.030 UJ	0.030 U	0.030 UJ
gamma-Chlordane	µg/L	NS	NS	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Heptachlor	µg/L	0.4	0.015	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Heptachlor epoxide	µg/L	0.2	0.0074	0.030 U	0.030 UJ	0.030 U	0.030 UJ
Methoxychlor	µg/L	40	180	0.10 U	0.10 UJ	0.10 U	0.10 UJ
Toxaphene	µg/L	3	0.061	2.0 U	2.0 UJ	2.0 U	2.0 UJ
PCB- 1016	µg/L	0.5	0.96	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1221	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1232	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1242	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1248	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1254	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
PCB- 1260	µg/L	0.5	0.034	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ

Notes:

NS = no standard

Bold = detected compound above the MDL

N/A = Not Analyzed

Table 3-8 FWGWMP January 2009 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) 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.

3.3 Data Verification/Validation

As discussed in Sections 2.3 and 3.2, all chemical data were generated by TestAmerica and RTI (EQM does not however verify RTI data). 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 TestAmerica, 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 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 January 2009 Sampling Event Report, the laboratory data with laboratory derived qualifiers following USEPA and LGC criteria are presented in Appendix E. The verification reports for the data are also presented in Appendix E, which includes the definitions of the ADR qualifiers. The data presented in Tables 3-3, 3-4, 3-6, 3-7, and 3-8 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 E.

- 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.

One hundred and thirty-one wells were sampled during an eight-day sampling event from January 19-28, 2009. During this event, thirty-nine trip blanks were submitted for volatile organic analysis to TestAmerica.

Fifteen field duplicates were collected during the eight day period 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, fourteen laboratory splits were collected and analyzed 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 January 2009 sampling event the following laboratory or field contamination at detections greater than ½ the method reporting limit (MRL) was reported for the field QA/QC samples (blank results that were greater than ½ the MRL resulted in qualification of the sample result):

A9A200102 / A9A200117

- FWGEQUIPRinse1-1288-GW had several detected analytes:

  - Chloroform and toluene were detected but no qualifications were made as there were no detected concentrations of these contaminants in the associated samples.
  - bis (2-ethylhexyl)phthalate was detected at 1.8ug/L. Detected bis (2-Ethylhexyl)phthalate results <5x contamination were qualified, "B".
  - Potassium was detected at 161ug/L. No qualifications were made for potassium as all the potassium results were >5x blank contamination.
- All trip blanks had detected acetone contamination ranging from 1.2-1.8ug/L and chloroform contamination ranging from 0.18-0.20ug/L. The chloroform result for FWGEQUIPRinse1-1288-GW was qualified "B", as the detected chloroform concentration was <5x the associated trip blank contamination.
- bis(2-Ethylhexyl)phthalate was detected in the method blank at 0.98ug/L. bis (2-Ethylhexyl)phthalate results were qualified, "B".
- The ICB analyzed 1/27/09 had detected selenium at 1.2ug/L and potassium at 159ug/L. No qualifications were made as there were no detected selenium results and all potassium results>5x ICB contamination.
- The CCBs analyzed 1/27/09 had detected selenium from 2.7ug/L to 3.7ug/L and potassium from 152ug/L to 157ug/L. No qualifications were made as there were no detected selenium results and all potassium results>5x CCB contamination.
- Potassium was detected in the method blank at 148ug/L. Detected associated potassium results <5x blank contamination were qualified, "B".
- The CCBs analyzed 1/21/09 had detected antimony from 0.055ug/L to 0.084ug/L, beryllium from 0.02ug/L to 0.059ug/L, cadmium at 0.019ug/L to 0.053ug/L, iron from 13.9ug/L to 22.1ug/L and thallium from 0.11ug/L to 0.13ug/L. The antimony and thallium results for sample FWGRQLmw-016c-1242-GF were qualified, "U", as the detected results were less than bracketing CCB contamination. No other qualifications were made as all other detected concentrations were greater than 5x contamination.
- Zinc was detected in the method blank at 4.1ug/L. Detected associated zinc results <5x blank contamination were qualified; "B".
- Cyanide was detected in FWGEQUIPRinse1-1288-GW at 0.018mg/L. No qualifications were made as there were no detected concentrations in the associated samples.
- Nitrocellulose was detected in the method blank at 0.19mg/L. No qualifications were made as there were no detected nitrocellulose concentrations in the associated samples.

A92210108 / A9A210128

- FWGEQUIPRinse2-1289-GW had several detected analytes:
  - Acetone was detected at 4.8ug/L. No qualifications were made as there were no detected concentrations of acetone in the field samples.
  - bis(2-Ethylhexyl) phthalate was detected at 1.1ug/L. bis (2-Ethylhexyl)phthalate results <5x contamination were qualified, "B".
  - Potassium was detected at 1511ug/L and manganese at 0.51ug/L. Detected results <5x equipment rinse contamination were qualified, "B".

  - Zinc was detected at 4.2ug/L. Detected results <5x equipment rinse contamination were qualified, "B".
- Methylene chloride was detected in the method blank analyzed 1/26/09 at 0.48ug/L. As there were no detected methylene chloride results, no qualifications were made.
- All trip blanks had detected acetone contamination ranging from 1.1-1.5ug/L and chloroform contamination ranging from 0.17-0.20ug/L. The acetone result for FWGEQUIPRinse2-1289-GW was qualified "B", as the detected chloroform concentration was <10x the associated trip blank contamination.
- bis(2-Ethylhexyl)phthalate was detected in the method blanks at 1.0ug/L and 1.7ug/L. bis (2-Ethylhexyl)phthalate results <5x contamination were qualified, "B".
- ICP-The ICB analyzed 1/27/09 had detected selenium at 3.2ug/L and potassium at 159ug/L. No qualifications were made for selenium contamination, as there were no detected selenium results. The associate detected potassium results<5x ICB contamination where qualified, "U".
- The ICB analyzed 1/30/09 had detected potassium at 153ug/L. The associate detected potassium results<5x ICB contamination where qualified, "U".
- ICP-The CCBs analyzed 1/27/09 had detected selenium from 2.7ug/L to 3.7ug/L and potassium from 152ug/L to 157ug/L. No qualifications were made for selenium as there were no detected selenium results. All potassium results<5x CCB contamination were qualified, "U".
- The CCBs analyzed 1/30/09 had detected lead at 1.0ug/L, magnesium at 7.6ug/L, barium at 0.3ug/L, manganese at 0.2ug/L. Potassium was detected from 155ug/L to 163ug/L. All potassium results<5x CCB contamination were qualified, "U". No qualifications were made for other CCB contaminants as all bracket results were either nondetect or <5x contamination.
- Potassium was detected in the method blank at 153ug/L, manganese at 0.51ug/L and calcium at 138ug/L. Detected results <5x blank contamination were qualified, "B".
- The CCBs analyzed 1/27/09 had beryllium 0.019ug/L, cadmium at 0.017ug/L to 0.025ug/L, iron at 8.6ug/L and thallium 0.12ug/L. No qualifications were made as there were no detected contaminants in the samples <5x contamination.
- Zinc was detected in the method blank at 4.2ug/L. Detected results <5x blank contamination were qualified, "B".

- Due to sediment present in samples associated with this prep batch, a filter blank was also prepped and analyzed. 1,3,5-Trinitrobenzene was detected in the filter blank at 0.036ug/L. The 1,3,5-trinitrobenzene results for FWGCPmw-006c-1192-GW was qualified, "B", as the concentration was <5x filter blank contamination.
- Nitrocellulose was detected in the method blank at 0.15mg/L. Sample results with nitrocellulose detected at <5x blank contamination were qualified, "B".

A9A220103 / A9A220114

- FWGEQUIPRinse3-1290-GW had several detected analytes:

  - FWGEQUIPRinse3-1290-GW had detected 2-butanone at 4.7ug/L, acetone at 45ug/L and toluene at 0.19ug/L. No qualifications were made for toluene or 2-butanone as there were no detected concentrations of these contaminants in the field samples. Sample FEGCBPmw-008c-1186-GW was qualified, "B", as the detected sample concentration was less than 5x the blank contamination.
  - bis (2-Ethylhexyl) phthalate was detected at 1.0ug/L. bis (2-Ethylhexyl)phthalate results <5x contamination were qualified, "B". Benzyl alcohol, diethyl phthalate and dimethyl phthalate were also detected in the rinse blank, but no qualifications were made as none of these contaminants were detected field sample results.
  - Potassium was detected at 145ug/L. Detected results <5x equipment rinse contamination were qualified, "B".
  - Zinc was detected at 2.3ug/L. Detected results <5x equipment rinse contamination were qualified, "B".
- Methylene chloride was detected in the method blanks analyzed 1/26/09 and 1/27/09. As there were no detected methylene chloride results, no qualifications were made.
- All trip blanks had detected acetone contamination ranging from 1.5-1.6ug/L and chloroform contamination ranging from 0.19-0.20ug/L. The acetone result for FWGCBPmw-008c-1186-GW was qualified "B", as the detected acetone concentration was <10x the associated trip blank contamination.
- bis(2-Ethylhexyl)phthalate was detected in the method blanks. bis (2-Ethylhexyl)phthalate results <5x contamination were qualified, "B".
- The ICB analyzed 1/30/09 had detected potassium at 153ug/L. The associate detected potassium results<5x ICB contamination where qualified, "U".
- The CCBs analyzed 1/30/09 had detected lead at 1.0ug/L, magnesium at 7.6ug/L, barium at 0.3ug/L, manganese at 0.2ug/L. Potassium was detected from 155ug/L to 163ug/L. All potassium and barium results <5x CCB contamination were qualified, "U". No qualifications were made for other CCB contaminants as all bracketed results were either nondetect or <5x contamination.
- Potassium, barium, calcium, magnesium and manganese were detected in the method blank. Detected results <5x blank contamination were qualified, "B".

- The CCBs analyzed 1/27/09 had antimony at 0.066ug/L, beryllium 0.019ug/L-0.046ug/L, cadmium at 0.019ug/L to 0.056ug/L, iron at 8.6ug/L-14.5ug/L and thallium 0.12ug/L-0.13ug/L. Cadmium and antimony results<5x CCB contamination were qualified, "U". No qualifications were made for other CCB contaminants as all bracketed results were either nondetect or <5x contamination.
- Zinc and iron were detected in the method blank(s). Detected results <5x blank contamination were qualified, "B".

A9A230103 / A9A230152

- FWGEQUIPRinse4-1291-GW had several detected analytes:

  - Potassium was detected at 148ug/L. Detected results <5x equipment rinse contamination were qualified, "B".
  - Chloroform was detected at 0.21ug/L. No qualifications were made for chloroform as there were no detected concentrations of these contaminants in the field samples.
- The ICB analyzed 1/30/09 had detected potassium at 153ug/L. The associate detected potassium results<5x ICB contamination where qualified, "U".
- The CCBs analyzed 1/30/09 had detected magnesium at 7.0ug/L. Potassium was detected from 147ug/L to 163ug/L. All potassium results<5x CCB contamination were qualified, "U". No qualifications were made for magnesium as all bracketed results were <5x contamination.
- Potassium and manganese were detected in the method blank for batch 9026030. Potassium was detected in the method blank for batch 9026031. Detected results <5x blank contamination were qualified, "B".
- Methylene chloride was detected in the method blanks analyzed 1/29/09 and 1/27/09. As there were no detected methylene chloride results, no qualifications were made.
- All trip blanks had detected acetone contamination ranging from 1.3-1.5ug/L and chloroform contamination ranging from 0.18-0.21ug/L. The chloroform result for FWGEQUIPRinse4-1291-GW was qualified "B", as the detected chloroform concentration was <5x the associated trip blank contamination.
- The CCBs analyzed 1/28/09 had antimony at 0.059ug/L, beryllium at 0.022ug/L, cadmium at 0.027ug/L to 0.036ug/L and thallium 0.13ug/L-0.14ug/L. No qualifications were made as all bracketed results were either nondetect or <5x contamination.
- Due to sediment present in samples associated with batch 902867, a filter blank was also prepped and analyzed. 1,3,5-Trinitrobenzene was detected in the filter blank at 0.041ug/L. No qualifications were made for the 1,3,5-trinitrobenzene results, as none of the samples associated with batch 902867 had detected 1,3,5-trinitrobenzene .

A9A240101 / A9A240102

- FWGEQUIPRinse5-1292-GW had several detected analytes:
  - Chloroform was detected at 0.16ug/L. No qualifications were made as there were no detected concentrations of chloroform in the field samples.
  - Potassium was detected at 149ug/L. Detected results <5x equipment rinse contamination were qualified, "B".

  - Nitrobenzene was detected in FWGEQUIPRinse5-1292-GW at 0.070ug/L and PETN at 0.35ug/L. The nitrobenzene result for FWGLL11mw-005c-1170-GW was qualified, "B" as the result was <5x rinse blank contamination.
- Methylene chloride was detected in the method blank analyzed 2/3/09. As there were no detected methylene chloride results, no qualifications were made.

- All trip blanks had detected acetone contamination ranging from 1.1-1.4ug/L and chloroform contamination ranging from 0.18-0.19ug/L. The acetone results for FWGLL11mw-010c-1174-GW and FWGEQUIPRINSE5-1292-GW were qualified "B", as the detected acetone concentrations were <10x the associated trip blank contamination.
- bis(2-Ethylhexyl)phthalate was detected in the method blank at 4.1ug/L. bis (2-Ethylhexyl)phthalate results <5x contamination were qualified, "B".
- The ICB analyzed 1/30/09 had detected potassium at 153ug/L. The associated detected potassium results<5x ICB contamination where qualified, "U".
- The CCBs analyzed 1/30/09 had detected lead at 1.0ug/L, magnesium at 7.4ug/L, barium at 0.3ug/L, manganese at 0.2ug/L. Potassium was detected from 155ug/L to 163ug/L. All potassium results<5x CCB contamination were qualified, "U". No qualifications were made for other CCB contaminants as all bracketed results were either nondetect or <5x contamination.
- Potassium was detected in the method blank at 140ug/L. Detected results <5x blank contamination were qualified, "B".
- The CCBs analyzed 1/28/09 had antimony at 0.073ug/L, beryllium 0.019ug/L-0.042ug/L, cadmium at 0.028ug/L to 0.058ug/L, iron at 8.5ug/L-10.1ug/L and thallium 0.12ug/L-0.13ug/L. Cadmium results<5x CCB contamination were qualified, "U". No qualifications were made for other CCB contaminants as all bracketed results were either nondetect or <5x contamination.

A9A270108 / A9A270126

- FWGEQUIPRinse6-1293-GW had several detected analytes:
    - FWGEQUIPRinse6-1293-GW had detected acetone at 4.5ug/L. No qualifications were made as there were no detected concentrations of acetone in the field samples.
    - Potassium was detected at 154ug/L. Detected results <5x equipment rinse contamination were qualified, "B".
    - Zinc was detected at 6.0ug/L. Detected results <5x equipment rinse contamination were qualified, "B".
- Methylene chloride was detected in the method blank analyzed 2/3/09. As there were no detected methylene chloride results, no qualifications were made.
- All trip blanks had detected acetone contamination ranging from 1.3-1.8ug/L and chloroform contamination ranging from 0.18-0.2ug/L. The acetone result for FWGEQUIPRinse6-1293-GW was qualified "B", as the detected acetone concentration was <5x the associated trip blank contamination.
- The ICB analyzed 1/30/09 had detected potassium at 153ug/L. The associate detected potassium results<5x ICB contamination where qualified, "U".
- The CCBs analyzed 1/30/09 through 1/31/09 had detected lead at 1.0ug/L, magnesium at 7.4-11.3ug/L, barium at 0.3-0.4ug/L, manganese at 0.2-0.3ug/L and vanadium at 1.3ug/L. Potassium was detected from 160ug/L to 166ug/L. All potassium results<5x CCB contamination were qualified, "U". No qualifications were made for other CCB contaminants as all bracketed results were either nondetect or <5x contamination.

- Potassium, manganese and vanadium were detected in the method blank for batch 9028017. Detected results <5x blank contamination were qualified, "B".
- The CCBs analyzed 1/29/09 had beryllium at 0.026-0.039ug/L, cadmium at 0.017-0.039ug/L, iron at 8.6-9.8ug/L and thallium 0.13ug/L. No qualifications were made as all bracketed results were either nondetect or <5x contamination.
- Antimony and zinc were detected in the method blank for batch 9028017. Detected results <5x blank contamination were qualified, "B".

A9A280133 / A9A290101

- FWGEQUIPRinse7-1294-GW had several detected analytes:
  - 2-Butanone was detected at 6.3ug/L and acetone at 35ug/L. All trip blanks had detected acetone contamination ranging from 1.2-1.6ug/L and chloroform contamination ranging from 0.18-0.21ug/L. No qualifications were made as there were either no detected concentrations of these contaminants in the field samples or detected concentrations were >5x contamination.
  - Manganese, vanadium and potassium were detected in FWGEQUIPRinse7-1294-GW. Detected field sample results <5x equipment rinse contamination were qualified, "B".
  - Aluminum was detected at 22.8ug/L. Detected results <5x equipment rinse contamination were qualified, "B".
- Bis(2-ethylhexyl)phthalate was detected in the method blank associated with batch 9039053 at 1.1ug/L. Detected concentrations of bis(2-ethylhexyl)phthalate associated with this < 5x contamination batch were qualified, "B".
- Bis(2-ethylhexyl)phthalate was detected in FWGEQUIPRinse7-1294-GW at 1.2ug/L, acenaphthalene at 0.25ug/L , diethyl phthalate at 1.4ug/L and dimethyl phthalate at 0.68ug/L. Detected concentrations of bis(2-ethylhexyl)phthalate < 5x contamination were qualified, "B". No qualifications were made for the other contaminants, as there were no detections of these analytes in the associated field samples.
- The ICB analyzed 2/9/9 had detected potassium at 152ug/L. The associated detected potassium results<5x ICB contamination where qualified, "U".
- The CCBs analyzed 2/9/09 had detected lead at 1.3- 2.0ug/L, magnesium at 7.9ug/L-11.3ug/L, manganese at 0.1-0.3ug/L, selenium at 3.2-3.3ug/L and potassium from 155ug/L to 177ug/L. All potassium results<5x CCB contamination were qualified, "U". No other qualifications were made for other noted contaminants as all bracketed results were <5x contamination.
- Potassium, magnesium, calcium and manganese were detected in the method blank for batch 9029020. Manganese, potassium and vanadium were detected in the method blank for batch 9029019. Detected results <5x blank contamination were qualified, "B".
- The CCBs analyzed 1/30/09 had antimony at 0.052-0.058ug/L, beryllium at 0018-0.033ug/L, cadmium at 0.017ug/L to 0.046ug/L, iron at 8.6ug/L-13.1ug/L and thallium at 0.13ug/L. Bracketed thallium and iron results<5x CCB contamination

were qualified, "U". No qualifications were made as all bracketed results were either nondetect or <5x contamination.

- Zinc was detected in the method blank for batch 9029020. Detected results <5x blank contamination were qualified, "B".
- 1,3,5-Trinitrobenzene was detected in the method blank at 0.041ug/L. The 1,3,5-trinitrobenzene result for FWGLNWmw-025c-1233-GW was qualified, "B" as the result was <5x method blank contamination.

A9A290208 / A9A290220

- FWGEQUIPRinse8-1295-GW had several detected analytes:
  - 2-Butanone was detected at 5.1ug/L and acetone at 45ug/L. The acetone result for FWGMBSmw-005c-1258-GW was qualified "B", as the detected concentration was <5x the equipment rinse contamination. No qualifications were made for the 2-butanone results as there were no detected 2-butanone concentrations.
  - Bis(2-ethylhexyl)phthalate was detected in FWGEQUIPRinse8-1295-GW at 1.3ug/L and diethyl phthalate at 3.5ug/L. Detected concentrations of bis(2-ethylhexyl)phthalate < 5x contamination were qualified, "B". No qualifications were made for the other contaminants, as there were no detections of these analytes in the associated field samples.
  - Manganese and potassium were detected in FWGEQUIPRinse8-1295-GW . Detected results <5x equipment rinse contamination were qualified, "B".
  - FWGEQUIPRinse8-1295-GW had detected concentrations of, thallium and zinc. Detected results <5x equipment rinse contamination were qualified, "B".
  - 4-Amino-2,6-dinitrotoluene was detected in FWGEQUIPRinse8-1295-GW at 0.083ug/L. No qualifications were made as there were no detected 4-Amino-2,6-dinitrotoluene concentrations in the field samples.

- All trip blanks had detected acetone contamination ranging from 1.3-1.7ug/L and chloroform contamination ranging from 0.17-0.20ug/L The acetone result for FWGMBSmw-005c-1258-GW was qualified "B", as the detected concentration was <5x the trip blank contamination. No qualifications were made for the chloroform results as there were no detected chloroform concentrations in the associated field samples.
- The ICB analyzed 2/9/9 had detected potassium at 152ug/L. The potassium result for FWGEQUIPRinse8-1295-GW was qualified "U", as the result was <5x ICB contamination.
- The ICB analyzed 2/11/09 had detected potassium at 163ug/L and calcium at 37.3ug/L. No qualifications were made as all detected potassium and calcium results analyzed with this calibration were either non- detect or >5x contamination.
- The CCBs analyzed 2/9/09 had detected lead at 2ug/L and potassium from 155ug/L to 177ug/L. All potassium results<5x CCB contamination were

qualified, "U". No other qualifications were made for lead as all bracketed results were <5x contamination.

- The CCBs analyzed 2/11/09 had detected lead at 1.1 and 1.3ug/L, magnesium at 7.8ug/L, manganese at 0.2ug/L and potassium 155ug/L and 159ug/L. All potassium results<5x CCB contamination were qualified, "U". No other qualifications were made for the other contaminants as all bracketed results were non-detect or >5x contamination.
- Potassium was detected in the method blank for batch 9030015. Detected results <5x blank contamination were qualified, "B".
- The ICB analyzed 2/3/09 had detected thallium at 0.11ug/L. The thallium results for FWGMBSmw-004c-1257-GF, FWGMBSmw-003c-1256-GF and FWGEQUIPRinse8-1295-GW were qualified "U", as the results were <5x ICB contamination.
- The CCBs analyzed 2/309 had aluminum at 3.8-0.6.3ug/L, beryllium at 0.019-0.054ug/L, cadmium at 0.041ug/L to 0.082ug/L, iron at 18.9ug/L-27.9ug/L and thallium at 0.18-0.25ug/L. Bracketed thallium and iron results<5x CCB contamination were qualified, "U". No other qualifications were made as all bracketed results were either nondetect or <5x contamination.
- Zinc was detected in the method blank for batch 9030015. Detected results <5x blank contamination were qualified, "B".

For a discussion of method blank contamination please reference the Data Verification Reports and the Laboratory Case Narrative.

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 E. Project requirements were met for the frequency and quality of these samples.

Table 3-9 presents the percent, by analytical method, of data that was acceptable (based on data not rejected) for use. No data was rejected during this sampling and analysis event.

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

All other data meet 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 E.

Table 3.9 Percent of Acceptable Data

Analytical Method	Total Number of Analytes	Number of Rejects	Percent Completeness
353.2 Modified	158	0	100
6010B	2,280	0	100
6020	1,064	0	100
6860	3	0	100
7470A	152	0	100
8081A	3,192	0	100
8082	1,064	0	100
8260B	7,488	0	100
8270C	10,032	0	100
8330	2,432	0	100
9012A	152	0	100
8330 Modified	152	0	100
TOTAL	**28,163**	**0**	**100**

SECTION 4

SUMMARY OF RESULTS

Explosive and Propellant Compounds

As shown in Table 3-3, the only explosive/propellant detected at levels above the Region 9 PRGs during the January 2009 event was:

- 2,4,6-Trinitrotoluene – FBQmw-174 (49 μg/L). The Region 9 PRG for 2,4,6-trinitrotoluene is 2.2 μg/L.

Inorganic Elements

Several inorganic compounds were detected at levels exceeding the MCLs and/or Region 9 PRGs. These included aluminum, manganese, arsenic, cadmium, and iron for wells from all areas sampled. These compounds were also detected at concentrations exceeding the Facility-Wide Background Criteria for many of the wells. Table 4-1 presents a summary of all inorganic compounds and the associated wells that had detections exceeding MCLs, Region 9 PRGs and/or Facility-Wide Background Criteria.

Volatile Organic Compounds

As shown in Table 3-6, the only VOCs detected at levels above the MCLs or Region 9 PRGs during the January 2009 event were:

- Benzene was detected in one well at a concentration exceeding the Region 9 PRG of 0.35 μg/L [LL6mw-004 (1.0 μg/L)].
- Carbon Tetrachloride was detected at a concentration exceeding the Region 9 PRG of 0.17 μg/L [LL10mw-003 (3.7 μg/L)].
- Chloroform was detected in one well at a concentration exceeding the Region 9 PRG of 0.17 μg/L [LL10mw-003 (0.40 μg/L J B)].
- 1,1-Dichloroethene was detected at a concentration exceeding the MCL of 7 μg/L [LL7mw-001 (7.6 μg/L)].

Semivolatile Organic Compounds

As shown in Table 3-7 the only SVOC detected at levels above the Region 9 PRGs was:

- Bis(2-Ethylhexyl)phthalate at LL8mw-003 (30 μg/L), LL8mw-005 (5.3 μg/L J), LL9mw-002 (20 μg/L). The Region 9 PRG is 4.8 μg/L.

  Note that several other wells had detected concentrations of bis(2-Ethylhexyl)phthalate above the Region 9 PRG but these were attributed to method blank contamination.

Pesticides and Polychlorinated Biphenyls (PCBs)

As shown in Table 3-6 the only pesticides/PCBs detected at levels above the Region 9 PRGs was:

- Aldrin at FBQmw-172 (0.029 µg/L J). The Region 9 PRG is 0.004 µg/L.
- beta-BHC at LL6mw-004 (0.094 µg/L J). The Region 9 PRG is 0.037 µg/L

Perchlorates

Only one well was sampled for perchlorate during the January 2009 event. The detected perchlorate concentration in this well did not exceed the Region 9 PRG of 3.6 µg/L. There is no MCL for perchlorate. On February 18, 2005, the USEPA established a Drinking Water Equivalent Level (DWEL) for perchlorate which is set at 24.5 µg/L.

Table 4-1. Inorganic Elements Detected at Concentrations Exceeding the MCLs, Region 9 PRGs, or Facility-Wide Background Criteria

Area	Well Number	Compound or Element Detected	Jan-09 Level (ug/L)		MCL (ug/L)	Region 9 PRG (ug/L)	Facility-Wide Background Criteria (ug/L)
Load Line 1	LL1mw-064	Manganese	**121**	**J**	50	880	1020
		Iron	**564**		300	11,000	279
Load Line 5	LL5mw-001	Arsenic	**6.6**		10	0.045	0
		Iron	**22,300**	**J**	300	11000	1430
		Manganese	**661**	**J**	50	880	1340
	LL5mw-002	Arsenic	**3.4**	**J**	10	0.045	0
		Manganese	**114**	**J**	50	880	1,340
	LL5mw-005	Manganese	**444**		50	880	1,340
Load Line 6	LL6mw-004	Iron	**642**	**J**	300	11000	1,430
		Manganese	**113**	**J**	50	880	1,340
	LL6mw-005	Iron	**824**	**J**	300	11000	1,430
		Manganese	**557**	**J**	50	880	1,340
	LL6mw-007	Manganese	**442**	**J**	50	880	1,340
Load Line 7	LL7mw-001	Iron	**7,820**		300	11000	1,430
		Manganese	**446**		50	880	1,340
	LL7mw-003	Iron	**17,000**		300	11000	1,430
		Manganese	**1,420**		50	880	1,340
	LL7mw-004	Iron	**15,900**		300	11000	1,430
		Manganese	**1,270**		50	880	1,340
	LL7mw-005	Iron	**1,600**		300	11000	1,430
		Manganese	**2,500**		50	880	1,340
	LL7mw-006	Iron	**1,160**		300	11000	1,430
		Manganese	**1,200**		50	880	1,340
Load Line 8	LL8mw-002	Iron	**3,070**		300	11000	279
		Manganese	**489**		50	880	1,020
	LL8mw-003	Iron	**416**		300	11000	279
		Manganese	**246**		50	880	1,020
	LL8mw-005	Iron	**451**		300	11000	1,430
		Manganese	**2,800**		50	880	1,340
Load Line 9	LL9mw-002	Manganese	**109**		50	880	1,340
	LL9mw-004	Iron	**11,000**		300	11000	1,430
		Manganese	**2,430**		50	880	1,340
	LL9mw-006	Iron	**428**		300	11000	1,430
		Manganese	**203**		50	880	1,340
	LL9mw-007	Iron	**2,720**		300	11000	1,430
		Manganese	**497**		50	880	1,340
Load Line 11	LL11mw-001	Manganese	**207**		50	880	1,020
	Ll11mw-003	Manganese	**184**		50	880	1,020
	LL11mw-004	Cadmium	**9.7**		5	18	0
	Ll11mw-010	Manganese	**178**		50	880	1020
Central Burn Pits	CBPmw-001	Arsenic	**85**		10	0.045	11.7
		Iron	**8,620**		300	11000	279
		Manganese	**106**	**J**	50	880	1020
	CBPmw-002	Arsenic	**24.8**		10	0.045	11.7
		Iron	**3,720**	**J**	300	11000	279
		Manganese	**222**	**J**	50	880	1020
	CBPmw-003	Arsenic	**26.2**		10	0.045	11.7
		Iron	**2,220**	**J**	300	11000	279
		Manganese	**85.3**	**J**	50	880	1020
	CBPmw-004	Arsenic	**39.1**		10	0.045	11.7
		Iron	**962**	**J**	300	11000	279
	CBPmw-008	Arsenic	**7.2**		10	0.045	11.7
		Iron	**840**	**J**	300	11000	279
		Manganese	**241**	**J**	50	880	1020

Table 4-1. Inorganic Elements Detected at Concentrations Exceeding the MCLs, Region 9 PRGs, or Facility-Wide Background Criteria

Area	Well Number	Compound or Element Detected	Jan-09 Level (ug/L)		MCL (ug/L)	Region 9 PRG (ug/L)	Facility-Wide Background Criteria (ug/L)
Cobbs Pond	CPmw-002	Manganese	**288**	**J**	50	880	1020
	CPmw-003	Manganese	**73.1**	**J**	50	880	1020
	CPmw-005	Arsenic	**53.9**		10	0.045	11.7
		Iron	**956**		300	11000	279
	CPmw-006	Arsenic	**9.6**		10	0.045	11.7
		Iron	**9,190**		300	11000	279
		Manganese	**3,260**	**J**	50	880	1020
Demolition Area 2	DA2mw-105	Arsenic	**3.3**	**J**	10	0.045	11.7
		Manganese	**212**	**J**	50	880	1020
	DA2mw-106	Iron	**1,270**		300	11000	279
		Manganese	**4,720**	**J**	50	880	1020
	DA2mw-108	Iron	**978**		300	11000	279
		Manganese	**326**	**J**	50	880	1020
	DA2mw-111	Manganese	**241**	**J**	50	880	1020
	DA2mw-112	Iron	**4,350**		300	11000	279
		Manganese	**782**	**J**	50	880	1020
	DA2mw-113	Manganese	**442**	**J**	50	880	1020
		Iron	**2,610**		300	11000	279
Erie Burning Grounds	EBGmw-123	Arsenic	**55.4**	**J**	10	0.045	11.7
		Iron	**6,040**		300	11000	279
		Manganese	**121**	**J**	50	880	1020
	EBGmw-124	Arsenic	**37.6**		10	0.045	11.7
		Iron	**2,950**		300	11000	279
		Manganese	**63.7**	**J**	50	880	1020
	EBGmw-125	Arsenic	**13.5**		10	0.045	11.7
		Iron	**5,430**		300	11000	279
		Manganese	**353**	**J**	50	880	1020
	EBGmw-126	Arsenic	**17.9**	**J**	10	0.045	11.7
		Iron	**4,700**		300	11000	279
		Manganese	**170**	**J**	50	880	1020
	EBGmw-127	Aluminum	**1060**	**J**	200	36000	0
		Arsenic	**11.2**	**J**	10	0.045	11.7
		Iron	**3,060**	**J**	300	11000	279
		Manganese	**66.3**	**J**	50	880	1020
	EBGmw-128	Arsenic	**9.4**		10	0.045	11.7
		Iron	**766**		300	11000	279
		Manganese	**192**	**J**	50	880	1020
	EBGmw-129	Arsenic	**3.6**	**J**	50	880	11.7
		Iron	**5,770**		300	11000	279
		Manganese	**563**	**J**	10	880	1020
	EBGmw-130	Arsenic	**5**		10	0.045	11.7
		Iron	**3,610**		300	11000	279
		Manganese	**694**		50	880	1020
Fuze and Booster Quarry	FBQmw-166	Iron	**541**		300	11000	279
		Manganese	**60.5**	**J**	50	880	1020
	FBQmw-167	Iron	**12,300**		300	11000	279
		Manganese	**1,760**	**J**	50	880	1020
	FBQmw-169	Iron	**448**		300	11000	1430
		Manganese	**5,440**	**J**	50	880	1340
	FBQmw-170	Manganese	**63.1**	**J**	50	880	1340
	FBQmw-172	Manganese	**1,170**	**J**	50	880	1340
	FBQmw-173	Manganese	**1,130**	**J**	50	880	1340
		Iron	**362**		300	11000	1430
	FBQmw-176	Aluminum	**906**	**J**	200	36000	0
		Iron	**8,910**	**J**	300	11000	279
		Manganese	**1,360**	**J**	50	880	1020
	FBQmw-177	Manganese	**1,170**	**J**	50	880	1340

Table 4-1. Inorganic Elements Detected at Concentrations Exceeding the MCLs, Region 9 PRGs, or Facility-Wide Background Criteria

Area	Well Number	Compound or Element Detected	Jan-09 Level (ug/L)		MCL (ug/L)	Region 9 PRG (ug/L)	Facility-Wide Background Criteria (ug/L)
Landfill North of Winklepeck	LNWmw-024	Aluminum	**297**	**J**	200	36000	11.7
		Iron	**415**		300	11000	279
		Manganese	**65**	**J**	50	880	1020
	LNWmw-025	Iron	**463**		300	11000	279
		Manganese	**822**	**J**	50	880	1020
	LNWmw-026	Iron	**421**	**J**	300	11000	279
	LNWmw-027	Manganese	**57.4**	**J**	50	880	1020
NACA Test Area	NTAmw-107	Aluminum	**244**	**J**	200	36000	0
		Arsenic	**11.9**		10	0.045	11.7
		Iron	**728**	**J**	300	11000	279
		Manganese	**197**	**J**	50	880	1020
	NTAmw-108	Iron	**385**	**J**	300	11000	279
		Aluminum	**293**	**J**	200	36000	0
	NTAmw-109	Iron	**918**		300	11000	279
		Aluminum	**271**		200	36000	0
	NTAmw-110	Arsenic	**15.2**		10	0.045	11.7
		Iron	**458**	**J**	300	11000	279
		Manganese	**132**		50	880	1020
	NTAmw-111	Manganese	**84.7**		50	880	1020
	NTAmw-112	Arsenic	**16.7**		10	0.045	11.7
		Iron	**1,580**	**J**	300	11000	279
		Manganese	**502**	**J**	50	880	1020
	NTAmw-113	Aluminum	**4,640**	**J**	200	36000	0
		Arsenic	**12.5**		10	0.045	11.7
		Iron	**6,920**	**J**	300	11000	279
		Manganese	**334**	**J**	50	880	1020
	NTAmw-114	Arsenic	**4.0**	**J**	10	0.045	11.7
		Manganese	**537**	**J**	50	880	1020
	NTAmw-117	Manganese	**120**	**J**	50	880	1020
Ramsdell Quarry	RQLmw-012	Aluminum	**1,480**		200	36000	0
		Manganese	**332**		300	11000	1340
	RQLmw-013	Aluminum	**5,040**		200	36000	0
		Iron	**344**		300	11000	1430
		Manganese	**667**		50	880	1340
	RQLmw-014	Iron	**1,200**		300	11000	1430
		Manganese	**2230**		50	880	1340
	RQLmw-015	Iron	**363**		300	11000	1430
		Manganese	**840**		50	880	1340
	RQLmw-016	Arsenic	**7.3**		10	0.045	0
		Iron	**10,200**		300	11000	1430
		Manganese	**7,020**		50	880	1340
	RQLmw-017	Aluminum	**201**	**J**	200	36000	0
		Manganese	**3,720**	**J**	50	880	1340

Table 4-1. Inorganic Elements Detected at Concentrations Exceeding the MCLs, Region 9 PRGs, or Facility-Wide Background Criteria

Area	Well Number	Compound or Element Detected	Jan-09 Level (ug/L)		MCL (ug/L)	Region 9 PRG (ug/L)	Facility-Wide Background Criteria (ug/L)
Winklepeck Burning Grounds	WBGmw-005	Arsenic	**9.9**		10	0.045	11.7
		Iron	**8,070**		300	11000	279
		Manganese	**1,270**	**J**	50	880	1020
	WBGmw-010	Aluminum	**201**	**J**	200	36000	0
		Iron	**333**		300	11000	279
		Manganese	**184**	**J**	50	880	1020
	WBGmw-014	Manganese	**74.5**	**J**	50	880	1020
	WBGmw-017	Iron	**199**		300	11000	279
		Manganese	**174**	**J**	50	880	1020
Suspected Mustard Burial Site	MBSmw-001	Arsenic	**3.3**	**J**	300	0.045	11.7
		Manganese	**412**		50	880	1020
		Iron	**377**		300	11000	279
	MBSmw-002	Arsenic	**9.9**		300	0.045	11.7
		Iron	**535**		300	11000	279
		Manganese	**208**		50	880	1020
	MBSmw-005	Arsenic	**8.6**		10	0.045	11.7
		Iron	**2,840**		300	11000	279
		Manganese	**598**		50	880	1020
	MBSmw-006	Manganese	**392**		50	880	1020

Notes:
J = estimated result. Results have been qualified "J" For more details refer to Data Verification/Validation Reports in Appendix D
B = the analyte is found in the method blank or any of the field blanks
U = analyzed but not detected at or above the reporting limit

SECTION 5

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