

Appendix B Data Verification Reports

(Note—To be provided on disc only)

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LIST OF ATTACHMENTS

Attachment A	Field Blank Quality Control – Trip Blanks and Equipment Rinsate Blanks
Attachment B	Source Water

ACRONYMS AND ABBREVIATIONS

°C	Degrees Celsius
% REC	Percent Recovery
µg/kg	Micrograms per kilogram
µg/l	Micrograms per liter
Bldg	Building
CC	Army Environmental Compliance-Related Cleanup Program
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification
COC	Chain of Custody
DI	De-ionized
DL	Detection Limit
DoD	Department of Defense
DRO	Diesel Range Organic
DSB	Deep Soil Boring
DU	Decision Unit
Dup	Duplicate
DVR	Data Verification Report
DVRW	Data Verification Report Worksheets
ECC	Environmental Chemical Corporation
ELAP	Environmental Laboratory Accreditation Program
EPA	Environmental Protection Agency
ER	Equipment Rinsate
FD	Field Duplicate
Ft	Feet
FWCUG	Facility-Wide Cleanup Goal
FWSAP	Facility-Wide Sampling and Analysis Plan
FWQAPP	Facility-Wide Quality Assurance Project Plan
GRO	Gasoline Range Organic
ICAL	Initial Calibration
ICB	Initial Calibration Blank
ICV	Initial Calibration Verification
ID	Identification
ISM	Incremental Sampling Methodology
J	Estimated
LCS	Laboratory Control Sample

ACRONYMS AND ABBREVIATIONS (CONTINUED)

LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection
LOQ	Limit of Quantitation
MeOH	Methanol
MB	Method Blank
mg/kg	Milligrams per kilogram
MRL	Method Reporting Limit
MS	Matrix Spike
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MTBE	Methyl Tertiary-Butyl Ether
NA	Not Applicable
No.	Number
PCB	Polychlorinated Biphenyls
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
QC	Quality Control
QSM	Quality Systems Manual
R	Rejected
RI	Remedial Investigation
RB	Rinsate
RPD	Relative Percent Difference
RVAAP	Ravenna Army Ammunition Plant
SAIC	Science Applications International Corporation
SB	Soil Boring
SDG	Sample Delivery Group
SOP	Standard Operating Procedure
SorW	Source Water
SVOC	Semi-volatile Organic Compound
SW	Solid Waste
TAL	Target Analyte List
TB	Trip Blank
TPH	Total Petroleum Hydrocarbons
U	Undetected
UJ	Not Detected, with estimated reporting limit
USACE	United States Army Corps of Engineers

ACRONYMS AND ABBREVIATIONS (CONTINUED)

USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

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1.0 INTRODUCTION

This Data Verification Report (DVR) presents the results of an analytical data review and verification conducted by Environmental Chemical Corporation (ECC) in support of the remedial investigation (RI) at CC (Army Environmental Compliance-Related Cleanup Program) RVAAP (Ravenna Army Ammunition Plant)-69 Building 1048 Fire Station. Project data verification followed the direction provided in the Facility-Wide Quality Assurance Project Plan (FWQAPP), which is part of the Facility-Wide Sampling and Analysis Plan (FWSAP) (SAIC 2011). Protocol for analytical data verification and validation has been updated to the following references:

- Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, 2009 Version 4.1 (DoD QSM 2009) – For 2012 data
- DoD QSM for Environmental Laboratories, 2010 Version 4.2 (DoD QSM 2010) – For 2015 data
- U.S. Army Corps of Engineers (USACE), Louisville District QSM Supplement (USACE 2007)
- United States Environmental Protection Agency (USEPA) National Functional Guidelines for Superfund Organic Methods Data Review, EPA-540/R-08-01, June 2008 (USEPA 2008)
- USEPA National Functional Guidelines for Inorganic Superfund Data Review, EPA-540-R-10-011, January 2010 (USEPA 2010)
- Quality Assurance Project Plan (QAPP) for Site Inspections and Remedial Investigations at Compliance Restoration Sites, July 2012 (ECC 2012)

All data were verified by ECC in accordance with the FWQAPP using ECC's automated electronic verification software and manual methods.

All incremental sampling methodology (ISM) samples were prepared for analysis by TestAmerica of North Canton, Ohio, and all soil analyses were performed by TestAmerica of North Canton, Ohio, except for propellant and explosives analyses, where were performed at TestAmerica of West Sacramento, California, and metals (except mercury), which were performed at TestAmerica of Pittsburgh, Pennsylvania. All three laboratories are Department of Defense Environmental Laboratory Accreditation Program (ELAP) certified. The sample delivery groups (SDG) associated with CC RVAAP-69 field sample data are 240-17525-1, 240-17525-2, 240-17602-1, 240-17602-2, 240-49085-1, 240-49085-2, and 240-50056-1. Source water and equipment rinsate analyses were also performed by TestAmerica Laboratories. See Table 1-1 for a summary of field sample numbers broken down by matrix, and Table 1-2 for a summary of sampling activities. Table 1-2 also lists the associated source water and equipment

rinsate blank samples, along with other SDGs associated with these field quality control (QC) samples.

The sampling activities conducted in support of this project are presented in Section 1.0 Introduction. The data verification findings are presented in Section 2.0 Data Quality Verification Results, and the supporting Data Verification Report Worksheets (DVRW) are provided in Appendix B Worksheets 1 through 11. Section 3.0 Overall Assessment provides the field, analytical, and project completeness, and Section 4.0 References presents the data verification guidance used for this project. All results with final qualifiers are presented in Appendix G.

1.1 Sampling Activities

A short summary of the overall number of samples collected by media is presented in Table 1-1.

Table 1-1: Sample Summary

Matrix	Number of Field Samples	Number of Field Duplicates	Number of MS/MSD	Number of Associated Trip Blanks	Total Number of Samples
Surface Soil	3	1	1	1	6
Subsurface Soil	73	6	3	8	90

Notes:

MS/MSD = Matrix Spike/Matrix Spike Duplicate, includes samples provided to the lab. Extra MS/MSDs analyzed by laboratory.

A complete list of the sample locations, the corresponding sample identification (ID) numbers, and the requested analyses for the Decision Units (DUs) are presented in Table 1-2. In addition, field duplicate (FD) sample and the matrix spike (MS)/matrix spike duplicate (MSD) sample pair locations are presented. All VOC samples are collected as a discrete soil sample using a disposable coring device, placed into an appropriate sample container, and then placed in a cooler with ice.

1.2 Laboratory Activities

A list of extraction and analytical methods are presented in Table 1-3.

Table 1-2: Sampling Activities Summary

Site No.	Depth	SDG ¹	Sample ID	Decision Unit	Location	Date	COC No.	FD	MS/MSD	FULL SUITE	VOC/MTBE	SVOC	TPH GRO	TPH DRO	TAL Metals	PCB	Pesticides	Herbicides	Explosives	Hexavalent Chromium	Propellants
Surface Soil																					
CC RVAAP-69	0-1 ft	240-17525-1/-2	069SS-0001M-0001-SO	DU03	Bldg 1048 Fire Station	11-Nov-12	50740			X	X	X			X	X	X		X		X
CC RVAAP-69	0-1 ft	240-17525-1/-2	069SS-0001M-0002-SO	MS/MSD of 0001M	Bldg 1048 Fire Station	11-Nov-12	50740		X		X	X			X	X	X		X		X
CC RVAAP-69	0-1 ft	240-17525-1/-2	069SS-0002M-0001-SO	Duplicate of 0001M	Bldg 1048 Fire Station	11-Nov-12	50740	X			X	X			X	X	X		X		X
CC RVAAP-69	0-1 ft	240-17525-1/-2	069SS-0003M-0001-SO	DU02	Bldg 1048 Fire Station	11-Nov-12	50740				X	X			X						
CC RVAAP-69	0-1 ft	240-17525-1/-2	069SS-0004M-0001-SO	DU01	Bldg 1048 Fire Station	11-Nov-12	50740				X	X			X						
Subsurface Soil																					
CC RVAAP-69	1-4 ft	240-17602-1/-2	069SB-0005M-0001-SO	DU02 SB01	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	4-7 ft	240-17602-1/-2	069SB-0006M-0001-SO	DU02 SB01	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0007M-0001-SO	DU02 SB01	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0008M-0001-SO	DU02 SB02	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0009M-0001-SO	DU02 SB03	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0010M-0001-SO	DU02 SB04	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0011M-0001-SO	DU02 SB05	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-4 ft	240-17602-1/-2	069SB-0012M-0001-SO	DU03 SB01	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	4-7 ft	240-17602-1/-2	069SB-0013M-0001-SO	DU03 SB01	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0014M-0001-SO	DU03 SB01	Bldg 1048 Fire Station	12-Nov-12	48794				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0015M-0001-SO	DU03 SB02	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0016M-0001-SO	DU03 SB03	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0017M-0001-SO	DU03 SB04	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0018M-0001-SO	DU03 SB05	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	7-13 ft DSB	240-17602-1/-2	069SB-0019-0001-SO	DU03 SB01	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	1-4 ft	240-17602-1/-2	069SB-0020M-0001-SO	DU01 SB01	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	4-7 ft	240-17602-1/-2	069SB-0021M-0001-SO	DU01 SB01	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0022M-0001-SO	DU01 SB01	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						

Table 1-2: Sampling Activities Summary (Continued)

Site No.	Depth	SDG ¹	Sample ID	Decision Unit	Location	Date	COC No.	FD	MS/MSD	FULL SUITE	VOC/MTBE	SVOC	TPH GRO	TPH DRO	TAL Metals	PCB	Pesticides	Herbicides	Explosives	Hexavalent Chromium	Propellants
Subsurface Soil																					
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0023M-0001-SO	DU01 SB02	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0024M-0001-SO	DU01 SB03	Bldg 1048 Fire Station	12-Nov-12	48795				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0025M-0001-SO	DU01 SB04	Bldg 1048 Fire Station	12-Nov-12	48796				X	X			X						
CC RVAAP-69	1-7 ft vertical ISM	240-17602-1/-2	069SB-0026M-0011-SO	DU01 SB05	Bldg 1048 Fire Station	12-Nov-12	48796				X	X			X						
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0029-0001-SO	SB101	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0029-0002-SO	MS/MSD of 0029	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)		X		X										
CC RVAAP-69	4-5 ft	240-49085-1	069SB-0030-0001-SO	SB101	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0031-0001-SO	SB101	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0032-0001-SO	Duplicate of 0031	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)	X			X										
CC RVAAP-69	7-8 ft	240-49085-1	069SB-0033-0001-SO	SB101	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	9-10 ft	240-49085-1	069SB-0034-0001-SO	SB101	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	12-13 ft	240-49085-1	069SB-0035-0001-SO	SB101	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	9-13 ft	240-49085-1/-2	069SB-0036-0001-SO	SB101	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)			X	X	X			X	X	X		X		X
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0037-0001-SO	SB102	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0037-0002-SO	MS/MSD of 0037	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)		X		X										
CC RVAAP-69	4-5 ft	240-49085-1	069SB-0038-0001-SO	SB102	Bldg 1048 Fire Station	7-Apr-15	001 (1 of 4)				X										
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0039-0001-SO	SB102	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0040-0001-SO	Duplicate of 0039	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)	X			X										
CC RVAAP-69	7-8 ft	240-49085-1	069SB-0041-0001-SO	SB102	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										
CC RVAAP-69	9-10 ft	240-49085-1	069SB-0042-0001-SO	SB102	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										
CC RVAAP-69	7-10 ft	240-49085-1/-2	069SB-0043-0001-SO	SB102	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)			X	X	X			X	X	X		X		X
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0044-0001-SO	SB103	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										
CC RVAAP-69	4-5 ft	240-49085-1	069SB-0045-0001-SO	SB103	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0046-0001-SO	SB103	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										

Table 1-2: Sampling Activities Summary (Continued)

Site No.	Depth	SDG ¹	Sample ID	Decision Unit	Location	Date	COC No.	FD	MS/MSD	FULL SUITE	VOC/MTBE	SVOC	TPH GRO	TPH DRO	TAL Metals	PCB	Pesticides	Herbicides	Explosives	Hexavalent Chromium	Propellants
Subsurface Soil																					
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0047-0001-SO	Duplicate of 0046	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)	X			X										
CC RVAAP-69	7-8 ft	240-49085-1	069SB-0048-0001-SO	SB103	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										
CC RVAAP-69	9-10 ft	240-49085-1	069SB-0049-0001-SO	SB103	Bldg 1048 Fire Station	7-Apr-15	001 (2 of 4)				X										
CC RVAAP-69	7-10 ft	240-49085-1/2	069SB-0050-0001-SO	SB103	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)			X	X	X			X	X	X		X		X
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0051-0001-SO	SB104	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0052-0001-SO	Duplicate of 0052	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)	X			X										
CC RVAAP-69	4-5 ft	240-49085-1	069SB-0053-0001-SO	SB104	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0054-0001-SO	SB104	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	7-8 ft	240-49085-1	069SB-0055-0001-SO	SB104	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	9-10 ft	240-49085-1	069SB-0056-0001-SO	SB104	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	2-3 ft	240-49085-1	069SB-0057-0001-SO	SB105	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	4-5 ft	240-49085-1	069SB-0058-0001-SO	SB105	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	5-6 ft	240-49085-1	069SB-0059-0001-SO	SB105	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	7-8 ft	240-49085-1	069SB-0060-0001-SO	SB105	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	9-10 ft	240-49085-1	069SB-0061-0001-SO	SB105	Bldg 1048 Fire Station	7-Apr-15	001 (3 of 4)				X										
CC RVAAP-69	7-10 ft	240-49085-1/2	069SB-0062-0001-SO	SB105	Bldg 1048 Fire Station	7-Apr-15	001 (4 of 4)			X	X	X			X	X	X		X		X
CC RVAAP-69	13-14 ft	240-50056-1	069SB-0063-0001-SO	SB101	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	14-15 ft	240-50056-1	069SB-0064-0001-SO	SB101	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	15-16 ft	240-50056-1	069SB-0065-0001-SO	SB101	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	12-13 ft	240-50056-1	069SB-0068-0001-SO	SB104	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	14-15 ft	240-50056-1	069SB-0069-0001-SO	SB104	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	14-15 ft	240-50056-1	069SB-0069-0002-SO	SB104	Bldg 1048 Fire Station	29-Apr-15	102998		X		X										
CC RVAAP-69	5-6 ft	240-50056-1	069SB-0070-0001-SO	SB106	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	7-8 ft	240-50056-1	069SB-0071-0001-SO	SB106	Bldg 1048 Fire Station	29-Apr-15	102998				X										

Table 1-2: Sampling Activities Summary (Continued)

Site No.	Depth	SDG ¹	Sample ID	Decision Unit	Location	Date	COC No.	FD	MS/MSD	FULL SUITE	VOC/MTBE	SVOC	TPH GRO	TPH DRO	TAL Metals	PCB	Pesticides	Herbicides	Explosives	Hexavalent Chromium	Propellants
Subsurface Soil																					
CC RVAAP-69	9-10 ft	240-50056-1	069SB-0072-0001-SO	SB106	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	12-13 ft	240-50056-1	069SB-0073-0001-SO	SB106	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	5-6 ft	240-50056-1	069SB-0074-0001-SO	SB107	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	7-8 ft	240-50056-1	069SB-0075-0001-SO	SB107	Bldg 1048 Fire Station	29-Apr-15	102998				X										
CC RVAAP-69	9-10 ft	240-50056-1	069SB-0076-0001-SO	SB107	Bldg 1048 Fire Station	29-Apr-15	102999				X										
CC RVAAP-69	12-13 ft	240-50056-1	069SB-0077-0001-SO	SB107	Bldg 1048 Fire Station	29-Apr-15	102999				X										
CC RVAAP-69	12-13 ft	240-50056-1	069SB-0078-0001-SO	SB107	Bldg 1048 Fire Station	29-Apr-15	102999	X			X										
CC RVAAP-69	5-6 ft	240-50056-1	069SB-0079-0001-SO	SB108	Bldg 1048 Fire Station	29-Apr-15	102999				X										
CC RVAAP-69	7-8 ft	240-50056-1	069SB-0080-0001-SO	SB108	Bldg 1048 Fire Station	29-Apr-15	102999				X										
CC RVAAP-69	9-10 ft	240-50056-1	069SB-0081-0001-SO	SB108	Bldg 1048 Fire Station	29-Apr-15	102999				X										
CC RVAAP-69	12-13 ft	240-50056-1	069SB-0082-0001-SO	SB108	Bldg 1048 Fire Station	29-Apr-15	102999				X										
CC RVAAP-69	12-13 ft	240-50056-1	069SB-0083-0001-SO	SB108	Bldg 1048 Fire Station	29-Apr-15	102999	X			X										
CC RVAAP-69	5-6 ft	240-50056-1	069SB-0084-0001-SO	SB109	Bldg 1048 Fire Station	29-Apr-15	102999				X										
CC RVAAP-69	7-8 ft	240-50056-1	069SB-0085-0001-SO	SB109	Bldg 1048 Fire Station	29-Apr-15	103001				X										
CC RVAAP-69	9-10 ft	240-50056-1	069SB-0086-0001-SO	SB109	Bldg 1048 Fire Station	29-Apr-15	103001				X										
CC RVAAP-69	12-13 ft	240-50056-1	069SB-0087-0001-SO	SB109	Bldg 1048 Fire Station	29-Apr-15	103001				X										

Table 1-2: Sampling Activities Summary (Continued)

Site No.	Depth	SDG ¹	Sample ID	Decision Unit	Location	Date	COC No.	FD	MS/MSD	FULL SUITE	VOC/MTBE	SVOC	TPH GRO	TPH DRO	TAL Metals	PCB	Pesticides	Herbicides	Explosives	Hexavalent Chromium	Propellants
Field Quality Control – Trip Blanks																					
CC RVAAP-69	NA	240-17525-1	077SS-0003-0001-TB	TB-1	NA	11-Nov-12	50740				X										
CC RVAAP-69	NA	240-17602-1	069SB-0027-0001-TB	TB-2	NA	12-Nov-12	48796				X										
CC RVAAP-69	NA	240-17602-1	069SB-0028-0001-TB	TB-3	NA	12-Nov-12	48796				X										
CC RVAAP-69	NA	240-49085-1	069SB-0063-0001-TB	TB-4	NA	7-Apr-15	001 (4 of 4)				X										
CC RVAAP-69	NA	240-49085-1	069SB-0064-0001-TB	TB-5	NA	7-Apr-15	001 (4 of 4)				X										
CC RVAAP-69	NA	240-49085-1	069SB-0065-0001-TB	TB-6	NA	7-Apr-15	001 (4 of 4)				X										
CC RVAAP-69	NA	240-49085-1	069SB-0066-0001-TB	TB-7	NA	7-Apr-15	001 (4 of 4)				X										
CC RVAAP-69	NA	240-50056-1	069SB-0088-0001-TB	TB-8	NA	29-Apr-15	102999				X										
CC RVAAP-69	NA	240-50056-1	069SB-0089-0001-TB	TB-9	NA	29-Apr-15	102999				X										
All 2012-2013 Sampling Events	NA	240-18735-1	070-0060-0001-TB	QC TB-1	NA	12-Dec-12	50743				X										
All 2012-2013 Sampling Events	NA	240-18735-1	070SB-0055-0001-TB	QC TB-2	NA	12-Dec-12	50743						X								
2012 Sampling Event	NA	240-17796-1	076-0068-0001-TB	QC TB-3	NA	15-Nov-12	48707				X										
2015 Sampling Event	NA	240-49236-1	079SB-0388-0001-TB	QC TB-4	NA	10-Apr-15	006 (1 of 1)				X										
Field Quality Control –Source Water																					
All 2012-2013 Sampling Events	non-dedicated hand sampling tools	240-18735-2	070-0057-0001-Source Water	Source Water (ECC bottled decontamination water)	SorW-1	12-Dec-12	50743				X	X	X	X	X	X	X	X	X	X	X
2012 Subsurface Sampling Event	direct push tools	240-18735-2	070-0056-0001-Source Water	Source Water (Driller decontamination water)	SorW-2	12-Dec-12	50743				X	X	X	X	X	X	X	X	X	X	X
2015 Subsurface Sampling Event	non-dedicated hand sampling tools	240-49236-1	079SB-0385-0001-SW	Source Water (Driller decontamination water)	SorW-4	10-Apr-15	006 (1 of 1)				X	X			X	X	X		X		X

Table 1-2: Sampling Activities Summary (Continued)

Site No.	Depth	SDG ¹	Sample ID	Decision Unit	Location	Date	COC No.	FD	MS/MSD	FULL SUITE	VOC/MTBE	SVOC	TPH GRO	TPH DRO	TAL Metals	PCB	Pesticides	Herbicides	Explosives	Hexavalent Chromium	Propellants
Field Quality Control – Equipment Rinsate																					
2012 Sampling Event	non-dedicated hand sampling tools during sampling event	240-17796-1/-2	076-0067-0001-ER	Equipment Rinsate Blank	ER-1	15-Nov-12	48707				X	X	X		X	X	X	X	X		X
2015 Sampling Event	non-dedicated hand sampling tools during sampling event	240-49236-1	069SB-0387-0001-RB	Equipment Rinsate Blank	ER-6	10-Apr-15	006 (1 of 1)				X										
2015 Sampling Event	non-dedicated hand sampling tools during sampling event	240-50056-1	069SB-0090-0001-RB	Equipment Rinsate Blank	ER-7	30-Apr-15	102999				X										

Notes:

¹Listed SDGs contain data from CC RVAAP-69 and may contain data from other Sites/Decision Units.

ID = Identification
 SB = Soil Boring
 DSB = Deep Soil Boring
 ISM = Incremental Sampling Methodology
 GRO = Gasoline Range Organic
 DRO = Diesel Range Organic
 COC = Chain of Custody
 TAL = Target Analyte List
 No. = Number
 PCB = Polychlorinated Biphenyls
 FD = Field Duplicate
 DU = Decision Unit
 Bldg = Building
 TPH = Total Petroleum Hydrocarbon
 MTBE = Methyl Tertiary Butyl Ether

VOC = Volatile Organic Compound
 SVOC = Semi-volatile Organic Compound
 SDG = Sample Delivery Group
 ft = feet
 MS/MSD = Matrix Spike/Matrix Spike Duplicate
 Propellants include nitroguanidine, nitrocellulose, and nitroglycerin.
 ER = Equipment Rinsate
 RB = Rinsate
 SorW = Source Water
 QC = Quality Control
 TB = Trip Blank
 NA = Not Available/Not Applicable
 CC = Army Environmental Compliance-Related Cleanup Program
 RVAAP = Ravenna Army Ammunition Plant
 RI = Remedial Investigation
 ECC = Environmental Chemical Corporation

Table 1-3: Sample Preparation and Analytical Methods

Soil/Dry Sediment			
Analytical Group	Analytical Method	Sample Preparation Method	Holding Time to Extraction/Holding Time to Analysis
VOC ⁽¹⁾	SW8260B / DoD	SW5035	DI Water 48 hours to analysis or freezing MeOH or freezing/14 days
SVOC ⁽²⁾	SW8270C / DoD	SW3540C	14 days/40 days
TAL Metals	Metals SW6020 / DoD	SW3015B	180 days
	Mercury SW7471 / DoD	SW7471A	28 days
PCB	SW8082 / DoD	SW3540C	14 days/40 days
Pesticides	SW8081A DoD	SW3540C	14 days/40 days
Explosives	SW8330B	SW8330B	14 days/40 days
Propellants ⁽³⁾	Nitrocellulose EPA 353.2	EPA 353	28 days
	Nitroguanidine SW8330 Modified	Sieve/Ultrasonic	14 days/40 days
Aqueous			
Analytical Group	Analytical Method	Sample Preparation Method	Holding Time to Extraction/Holding Time to Analysis
VOC ⁽¹⁾	SW8260B / DoD	SW5030B	14 days
SVOC ⁽²⁾	SW8270C / DoD	SW3520C	7 days/40 days
TPH-GRO	SW8015B - GRO	SW5030B	14 days
TPH-DRO	SW8015B – DRO / DOD	SW3520C	7 days/40 days
TAL Metals	SW6020 / DoD	SW3005A	180 days
	SW7470A / DoD	SW7470A	28 days
PCB	SW8082 / DoD	SW3520C	7 days/40 days
Pesticides	SW8081 /DoD	SW3520C	7 days/40 days
Herbicides	SW8151 / DoD	SW3510	7 days/40 days
Explosives	SW8330B	SW8330	7 days/40 days
Propellants ⁽³⁾	Nitroguanidine SW8330 Modified	SW8330	7 days/40 days
	Nitrocellulose-TestAmerica West Sacramento Facility SOP-WC-0050	EPA 353.2	28 days

Notes:

All soil and dry sediment ISM samples, except for VOCs, undergo incremental sample preparation by air drying, then passed through a rotary hammer mill, and sieve.

Includes benzene, ethylbenzene, toluene, total xylenes, and methyl tertiary-butyl ether (MTBE)

Includes polycyclic aromatic hydrocarbons

Propellant nitroglycerin reported by explosives method (SW8330B)

EPA = Environmental Protection Agency

VOC = Volatile Organic Compound

SVOC = Semi-volatile Organic Compound

TAL = Target Analyte List

TPH = Total Petroleum Hydrocarbon

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

PCB = Polychlorinated Biphenyls

SW = Solid Waste

DoD = Department of Defense

SIM – Selected Ion Monitoring

DI = Deionized

MeOH = Methanol

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2.0 DATA QUALITY VERIFICATION RESULTS

Data verification is a systematic automated and manual review of all project data for compliance with the FWQAPP Section 10.2.1. This section provides highlights of significant data verification findings (i.e. rejected results, matrix issues), which are discussed in the applicable section below and presented in the referenced tables. The reference tables are a summary of all reported data. The DVRWs provide specific details such as acceptance ranges, and spike values for automated parameters. The following parameters are evaluated during data verification:

- Holding time
- Blanks (method blank [MB], initial calibration blank [ICB], and/or continuing calibration blank [CCB])
- Serial Dilution
- Post Digestion Spike
- Internal Standards
- Laboratory control samples (LCS)
- Method Reporting Limit (MRL) check
- Calibration (initial calibration, continuing calibration verification [CCV], and initial calibration verification [ICV])
- Surrogates
- Matrix spike (MS)/matrix spike duplicates (MSD)
- Field duplicate results
- Laboratory case narrative
- Dual column relative percent difference (RPD)
- Sample re-analysis and secondary dilutions
- Trip Blanks (TB)
- Equipment Rinsate (ER) Blanks
- Source Water (SorW)

2.1 Data Verification Qualifier Definitions

The data verification qualifier flags and their definitions are presented below:

- U Undetected: The analyte was analyzed for, but not detected. Reported at the Limit of Quantitation (LOQ).
- UJ The analyte was not detected with estimated reporting limit. The analyte was not detected; however, the reporting limit is estimated due to discrepancies in meeting certain analyte-specific QC criteria.

- J Estimated: The analyte was positively identified; the quantitation is an estimation due to discrepancies in meeting certain analyte-specific QC criteria. J is also used to report detections between the detection limit (DL) and the LOQ.
- R Rejected: The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
- N The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
- NJ The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

In discussion or presentation of data verification results, only the ranking qualifier will be presented for cases where an analyte may have multiple QC exceedances.

The data reporting convention used will be consistent with past data reporting practices to ensure comparability. Non-detect data will be reported at the LOQ in Appendix B and G. Within the analytical data package, the laboratory reporting forms use the DoD QSM convention of reporting non-detect data at the limit of detection (LOD). The laboratory reporting forms also present the LOQ for the sample result.

2.2 Sample Receipt at the Laboratory

All sample custodial possession and transfer requirements were met for samples received at the three laboratories. No data required qualification based on sample condition. The sample coolers were received within the recommended temperature range of 4 ± 2 degrees Celsius ($^{\circ}\text{C}$) or just below 2°C , but not frozen.

2.3 Holding Times

All extractions and analyses were performed within QAPP method-specific holding times.

2.4 Tuning and Calibration

All methods using a mass selective detector must be tuned in accordance with the standard operating procedures (SOP), and method calibrations must meet the DoD QSM criteria. All applicable method tunes and initial calibrations met method criteria. One volatile organic compound (VOC), acetone, had an associated initial calibrations, ICVs, and/or CCVs out of limits in 24 soil samples. The initial calibrations and the CCV issues related to a low relative response factor for acetone. ICVs were also out of limits for carbon disulfide in 2 trip blank and one rinsate blank sample. Two pesticides, endosulfan sulfate and heptachlor, had associated

CCVs out of limits in four samples. See Table 2-1 for qualified data. Two results presented in Table 2-1 are qualified with R. The calibration qualifier of J/UJ has been changed to an R qualifier as a result of separate data quality issues.

2.5 Laboratory Method Blanks, Initial Calibration Blanks, Continuing Calibration Blanks

A laboratory MB is an analyte-free matrix that is carried through the entire sample preparation and analysis sequence for the purpose of identifying potential contamination introduced during sample preparation and analysis. MBs were analyzed for each sample batch for all analyses. ICBs and CCBs are analyzed for metals and nitrocellulose analyses to assess the potential for carry over in the analytical method. If a contaminant is detected below the LOQ and has a result less than 5 times the associated blank level, then the sample value will be U (undetected) flagged at the LOQ. If a contaminant is detected above the LOQ and has a result less than 5 times the associated blank level, then the sample value will be U flagged and the LOQ will be changed to that of the contaminant concentration in the sample.

VOCs methylene chloride, acetone, and styrene, metals antimony and cadmium, the propellant nitrocellulose, and SVOC bis(2-ethylhexyl) phthalate results were qualified as non-detect on the basis of the MBs in select samples. All applicable blank detections resulting in qualified sample results are presented in Table 2-2. Several results presented in Table 2-2 are qualified with UJ or R. The blank qualifier of U has been changed to a UJ or R qualifier as a result of separate data quality issues.

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Table 2-1: Calibration - Initial and Continuing Calibration Verification

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Acetone	17	UJ	ICV	17 UJ
069SB-0063-0001-SO	4/29/2015	240-50056-1	240-50056-1	Acetone	850	UJ	ICAL*, ICV	850 UJ
069SB-0064-0001-SO	4/29/2015	240-50056-1	240-50056-2	Acetone	810	UJ	ICAL*, ICV	810 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Acetone	790	UJ	ICAL*, ICV	790 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Acetone	920	UJ	ICAL*, ICV	920 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Acetone	17	UJ	ICAL*, ICV, CCV*	17 UJ
069SB-0070-0001-SO	4/29/2015	240-50056-1	240-50056-7	Acetone	19	UJ	ICAL*, ICV	19 UJ
069SB-0071-0001-SO	4/29/2015	240-50056-1	240-50056-8	Acetone	18	UJ	ICAL*, ICV	18 UJ
069SB-0072-0001-SO	4/29/2015	240-50056-1	240-50056-9	Acetone	17	UJ	ICAL*, ICV	17 UJ
069SB-0073-0001-SO	4/29/2015	240-50056-1	240-50056-10	Acetone	15	UJ	ICAL*, ICV	15 UJ
069SB-0074-0001-SO	4/29/2015	240-50056-1	240-50056-11	Acetone	17	UJ	ICAL*, ICV	17 UJ
069SB-0075-0001-SO	4/29/2015	240-50056-1	240-50056-12	Acetone	15	UJ	ICAL*, ICV	15 UJ
069SB-0076-0001-SO	4/29/2015	240-50056-1	240-50056-13	Acetone	16	UJ	ICAL*, ICV	16 UJ
069SB-0077-0001-SO	4/29/2015	240-50056-1	240-50056-17	Acetone	19	UJ	ICAL*, ICV, CCV*	19 UJ
069SB-0078-0001-SO	4/29/2015	240-50056-1	240-50056-18	Acetone	18	UJ	ICAL*, ICV, CCV*	18 UJ
069SB-0079-0001-SO	4/29/2015	240-50056-1	240-50056-19	Acetone	18	UJ	ICAL*, ICV, CCV*	18 UJ
069SB-0080-0001-SO	4/29/2015	240-50056-1	240-50056-20	Acetone	16	UJ	ICAL*, ICV, CCV*	16 UJ
069SB-0081-0001-SO	4/29/2015	240-50056-1	240-50056-21	Acetone	16	UJ	ICAL*, ICV, CCV*	16 UJ
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Acetone	17	R	ICAL*, ICV, CCV*	17 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Acetone	32	R	ICAL*, ICV, CCV*	32 R

Table 2-1: Calibration - Initial and Continuing Calibration Verification (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0084-0001-SO	4/29/2015	240-50056-1	240-50056-24	Acetone	17	UJ	ICAL*, ICV, CCV*	17 UJ
069SB-0085-0001-SO	4/29/2015	240-50056-1	240-50056-25	Acetone	17	UJ	ICAL*, ICV, CCV*	17 UJ
069SB-0086-0001-SO	4/29/2015	240-50056-1	240-50056-26	Acetone	16	UJ	ICAL*, ICV, CCV*	16 UJ
069SB-0087-0001-SO	4/29/2015	240-50056-1	240-50056-27	Acetone	16	UJ	ICAL*, ICV, CCV*	16 UJ
Pesticides (µg/kg)								
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Endosulfan sulfate	3.9	UJ	CCV	3.9 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Heptachlor	4.5	UJ	CCV	4.5 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Endosulfan sulfate	3.6	UJ	CCV	3.6 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Heptachlor	4.1	UJ	CCV	4.1 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Heptachlor	4.1	UJ	CCV	4.1 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Endosulfan sulfate	3.5	UJ	CCV	3.5 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Heptachlor	4.1	UJ	CCV	4.1 UJ
VOC (µg/L)								
069SB-0088-0001-TB	4/29/2015	240-50056-1	240-50056-14	Carbon Disulfide	1.0	UJ	ICV	1.0 UJ
069SB-0089-0001-TB	4/29/2015	240-50056-1	240-50056-15	Carbon Disulfide	1.0	UJ	ICV	1.0 UJ
069SB-0090-0001-RB	4/30/2015	240-50056-1	240-50056-16	Carbon Disulfide	1.0	UJ	ICV	1.0 UJ

Notes:

SDG = Sample Delivery Group
VOC = Volatile Organic Compound
µg/kg = Micrograms per kilogram
µg/L = Micrograms per liter
TB = Trip Blank
RB = Rinsate

ICV = Initial Calibration Verification
ICAL = Initial Calibration
CCV = Continuing Calibration Verification
*Calibration issue relates to Relative Response Factor
UJ = Not Detected, with estimated reporting limit
R = Rejected

Table 2-2: Laboratory Method Blanks

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
Propellants (mg/kg)								
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Nitrocellulose	1.2	U	MB	6.4 U
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Nitrocellulose	1.2	U	MB	5.8 U
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Nitrocellulose	1.1	U	MB	5.9 U
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Nitrocellulose	1.1	U	MB	5.8 U
Metals (mg/kg)								
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Antimony	0.1	U	MB	0.47 U
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Antimony	0.064	U	MB	0.42 U
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Antimony	0.067	U	MB	0.39 U
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Antimony	0.054	U	MB	0.41 U
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Cadmium	0.1	U	MB	0.41 U
SVOC (µg/kg)								
069SB-0005M-0001-SO	11/12/2012	240-17602-1	240-17602-1	bis(2-Ethylhexyl) Phthalate	130	U	MB	130 U
069SB-0006M-0001-SO	11/12/2012	240-17602-1	240-17602-2	bis(2-Ethylhexyl) Phthalate	56	U	MB	56 U
069SB-0007M-0001-SO	11/12/2012	240-17602-1	240-17602-3	bis(2-Ethylhexyl) Phthalate	65	U	MB	65 U
069SB-0008M-0001-SO	11/12/2012	240-17602-1	240-17602-4	bis(2-Ethylhexyl) Phthalate	49	U	MB	49 U
069SB-0009M-0001-SO	11/12/2012	240-17602-1	240-17602-5	bis(2-Ethylhexyl) Phthalate	96	U	MB	96 U
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	bis(2-Ethylhexyl) Phthalate	54	U	MB	54 U
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	bis(2-Ethylhexyl) Phthalate	44	U	MB	50 U
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	bis(2-Ethylhexyl) Phthalate	170	U	MB	170 U
069SB-0013M-0001-SO	11/12/2012	240-17602-1	240-17602-9	bis(2-Ethylhexyl) Phthalate	130	U	MB	130 U

Table 2-2: Laboratory Method Blanks (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	bis(2-Ethylhexyl) Phthalate	42	U	MB	50 U
069SB-0015M-0001-SO	11/12/2012	240-17602-1	240-17602-11	bis(2-Ethylhexyl) Phthalate	66	U	MB	66 U
069SB-0016M-0001-SO	11/12/2012	240-17602-1	240-17602-12	bis(2-Ethylhexyl) Phthalate	88	U	MB	88 U
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	bis(2-Ethylhexyl) Phthalate	150	U	MB	150 U
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	bis(2-Ethylhexyl) Phthalate	120	U	MB	120 U
069SB-0019M-0001-SO	11/12/2012	240-17602-1	240-17602-15	bis(2-Ethylhexyl) Phthalate	80	U	MB	80 U
069SB-0020M-0001-SO	11/12/2012	240-17602-1	240-17602-16	bis(2-Ethylhexyl) Phthalate	140	U	MB	140 U
069SB-0021M-0001-SO	11/12/2012	240-17602-1	240-17602-17	bis(2-Ethylhexyl) Phthalate	120	U	MB	120 U
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	bis(2-Ethylhexyl) Phthalate	71	U	MB	71 U
069SB-0023M-0001-SO	11/12/2012	240-17602-1	240-17602-19	bis(2-Ethylhexyl) Phthalate	53	U	MB	53 U
VOC (µg/kg)								
069SB-0039-0001-SO	4/7/2015	240-49085-1	240-49085-11	Acetone	13	UJ	MB	29 UJ
069SB-0041-0001-SO	4/7/2015	240-49085-1	240-49085-13	Acetone	17	UJ	MB	17 UJ
069SB-0046-0001-SO	4/7/2015	240-49085-1	240-49085-18	Acetone	14	U	MB	17 U
069SB-0046-0001-SO	4/7/2015	240-49085-1	240-49085-18	Methylene Chloride	2.8	U	MB	4.3 U
069SB-0047-0001-SO	4/7/2015	240-49085-1	240-49085-19	Acetone	15	U	MB	16 U
069SB-0047-0001-SO	4/7/2015	240-49085-1	240-49085-19	Methylene Chloride	12	U	MB	12 U
069SB-0048-0001-SO	4/7/2015	240-49085-1	240-49085-20	Acetone	9.4	U	MB	16 U
069SB-0048-0001-SO	4/7/2015	240-49085-1	240-49085-20	Methylene Chloride	6.8	U	MB	6.8 U
069SB-0049-0001-SO	4/7/2015	240-49085-1	240-49085-21	Methylene Chloride	2.3	U	MB	3.8 U

Table 2-2: Laboratory Method Blanks (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0050-0001-SO	4/7/2015	240-49085-1	240-49085-22	Acetone	24	U	MB	24 U
069SB-0050-0001-SO	4/7/2015	240-49085-1	240-49085-22	Methylene Chloride	8	U	MB	8.0 U
069SB-0052-0001-SO	4/7/2015	240-49085-1	240-49085-24	Acetone	35	U	MB	35 U
069SB-0058-0001-SO	4/7/2015	240-49085-1	240-49085-30	Acetone	8	U	MB	15 U
069SB-0058-0001-SO	4/7/2015	240-49085-1	240-49085-30	Methylene Chloride	12	U	MB	12 U
069SB-0063-0001-SO	4/29/2015	240-50056-1	240-50056-1	Methylene Chloride	250	U	MB	250 U
069SB-0063-0001-SO	4/29/2015	240-50056-1	240-50056-1	Styrene	9.7	U	MB	210 U
069SB-0064-0001-SO	4/29/2015	240-50056-1	240-50056-2	Methylene Chloride	220	U	MB	220 U
069SB-0064-0001-SO	4/29/2015	240-50056-1	240-50056-2	Styrene	8.3	U	MB	200 U
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Methylene Chloride	220	UJ	MB	220 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Styrene	12	UJ	MB	200 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Methylene Chloride	280	U	MB	280 U
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Styrene	12	UJ	MB	230 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Methylene Chloride	5.7	U	MB	5.7 U
069SB-0077-0001-SO	4/29/2015	240-50056-1	240-50056-17	Methylene Chloride	5.5	U	MB	5.5 U
069SB-0078-0001-SO	4/29/2015	240-50056-1	240-50056-18	Methylene Chloride	7.3	U	MB	7.3 U
069SB-0079-0001-SO	4/29/2015	240-50056-1	240-50056-19	Methylene Chloride	3.1	U	MB	4.4 U
069SB-0080-0001-SO	4/29/2015	240-50056-1	240-50056-20	Methylene Chloride	5.9	U	MB	5.9 U
069SB-0081-0001-SO	4/29/2015	240-50056-1	240-50056-21	Methylene Chloride	4.3	U	MB	4.3 U
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Methylene Chloride	4.4	R	MB	4.4 R

Table 2-2: Laboratory Method Blanks (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Methylene Chloride	12	R	MB	32 R
069SB-0084-0001-SO	4/29/2015	240-50056-1	240-50056-24	Methylene Chloride	3.4	U	MB	4.1 U
069SB-0085-0001-SO	4/29/2015	240-50056-1	240-50056-25	Methylene Chloride	3.6	U	MB	4.3 U
069SB-0086-0001-SO	4/29/2015	240-50056-1	240-50056-26	Methylene Chloride	5.4	U	MB	5.4 U
069SB-0087-0001-SO	4/29/2015	240-50056-1	240-50056-27	Methylene Chloride	2.7	U	MB	4.0 U
VOC (µg/L)								
069SB-0027-0001-TB	11/12/2012	240-17602-1	240-17602-23	Methylene Chloride	0.4	U	MB	1.0 UJ
069SB-0028-0001-TB	11/12/2012	240-17602-1	240-17602-24	Methylene Chloride	0.37	UJ	MB	1.0 UJ
069SB-0063-0001-TB	4/7/2015	240-49085-1	240-49085-35	Acetone	1.8	U	MB	10 U
069SB-0064-0001-TB	4/7/2015	240-49085-1	240-49085-36	Acetone	1.7	U	MB	10 U
069SB-0065-0001-TB	4/7/2015	240-49085-1	240-49085-37	Acetone	1.8	U	MB	10 U
069SB-0066-0001-TB	4/7/2015	240-49085-1	240-49085-38	Acetone	1.7	U	MB	10 U

Notes:

SDG = Sample Delivery Group
 µg/kg = Micrograms per kilogram
 µg/L = Micrograms per liter
 mg/kg = Milligrams per kilogram
 SVOC = Semi-volatile Organic Compound
 VOC = Volatile Organic Compound

U = Undetected
 UJ = Not Detected, with estimated reporting limit
 R = Rejected
 MB = Method Blank
 TB = Trip Blank

2.6 Field Blank Quality Control – Trip Blanks, Equipment Rinsate Blanks, and Source Water

A trip blank (TB) is an analyte-free matrix that accompanies samples through the sample collection and transportation process to identify potential VOC cross-contamination during storage and shipment. A total of nine TBs were sent with site field samples and analyzed for VOCs as part of the QC program. Acetone was detected in six of the TBs; however in four of these TBs, the MB was used to qualify the detections as non-detect. See Table 2-3 for qualified soil sample results. See Attachment A for the final TB data.

Source water sample data are used to determine the pre-existing levels of chemicals in decontamination fluids. For the sampling at this site, three source water samples are associated with the sample data, as shown in Table 1-2. Source water sample SorW-1 was collected from water used to decontaminate hand held tools. Source water sample SorW-2 was collected from drillers water used to decontaminate direct push sampling tools used in 2012. SorW-4 was collected from water used to decontaminate hand held tools during the 2015 sampling events. See Attachment B for source water data.

Source water is used as the final rinsate during equipment decontamination, and a sample of this water was submitted as the equipment rinsate sample. The equipment rinsate results are evaluated to determine the effectiveness of equipment decontamination. As the source water was tested, the pre-existing levels of chemicals in the equipment rinsate are known, and these are not further evaluated when assessing the equipment rinsate results. Equipment rinsate samples ER-1, ER-6, and ER-7 are associated with the source water samples listed above. ER-6 and ER-7 were only collected and sampled for VOCs, as the associated field samples were only analyzed for VOCs.

SorW-1 has detections of several metals, including barium, calcium, copper, magnesium, and sodium. SorW-1 also has several VOC detections, including 2-butanone, acetone, toluene, bromodichloromethane, chloroform, and dibromochloromethane. SorW-2 has metal detections, aluminum, arsenic, cobalt, copper, calcium, barium, iron, magnesium, manganese, potassium, sodium, and zinc. SorW-4 has detections of the following metals, barium, calcium, sodium, magnesium, and potassium.

The equipment rinsate sample, ER-1, had aqueous detections at trace part per billion levels for several metals and for chloroform. Chloroform results were detected in three Site 69 soil samples, 069SB-0008M-0001-SO, 069SB-0017M-0001-SO, and 069SB-0025M-0001-SO. These results were qualified as non-detect, because the chloroform results were less than 5 times the associated equipment rinsate blank concentration. ER-6 and ER-7 were non-detect for all VOCs. Soil samples for metals are reported in the part per million range, so these low-level

equipment rinsate results show that sampling tools were properly decontaminated and that there was no apparent cross-contamination between metal soil samples. See Table 2-3 for qualified soil sample results. See Attachment A for equipment rinsate blank data.

Comparison of the source water samples, SoRW-1 and SorW-2, results to the equipment rinsate results, ER-1, shows similar chemicals in all samples, except for detected levels of chromium, manganese, thallium, zinc, and nickel, which may be from the stainless steel sampling tools. Soil samples for metals are reported in the part per million range, so these low-level equipment rinsate results show that sampling tools were properly decontaminated. There was no apparent cross-contamination between metal soil samples. The only organic detected in ER-1 was chloroform at trace levels; however, the associated field samples with chloroform detections were qualified as non-detect due to associated TB contamination.

QC TBs were collected along with the source water and rinsate blank samples. The TB, QC TB-1, associated with source water sample SorW-1, had a trace-level chloroform detection; chloroform was not detected in SorW-1. The TB, QC TB-4, associated with source water sample SorW-4, had a detection of acetone, and that TB result was used to qualify the acetone detection in the source water sample SorW-4 as a non-detect.

Table 2-3: Equipment Rinsate Blanks and Trip Blanks

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0008M-0001-SO	11/12/2012	240-17602-1	240-17602-4	Chloroform	0.87	U	ER Blank	5.8 U
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Chloroform	1.8	U	ER Blank	4.7 UJ
069SB-0025M-0001-SO	11/12/2012	240-17602-1	240-17602-21	Chloroform	0.48	U	ER Blank	4.3 U
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Acetone	12	UJ	TB	17 UJ
069SB-0070-0001-SO	4/29/2015	240-50056-1	240-50056-7	Acetone	11	UJ	TB	19 UJ
069SB-0071-0001-SO	4/29/2015	240-50056-1	240-50056-8	Acetone	18	UJ	TB	18 UJ
069SB-0073-0001-SO	4/29/2015	240-50056-1	240-50056-10	Acetone	6.5	UJ	TB	15 UJ
069SB-0076-0001-SO	4/29/2015	240-50056-1	240-50056-13	Acetone	8.7	UJ	TB	16 UJ
069SB-0077-0001-SO	4/29/2015	240-50056-1	240-50056-17	Acetone	10	UJ	TB	19 UJ
069SB-0078-0001-SO	4/29/2015	240-50056-1	240-50056-18	Acetone	17	UJ	TB	18 UJ
069SB-0080-0001-SO	4/29/2015	240-50056-1	240-50056-20	Acetone	7.7	UJ	TB	16 UJ
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Acetone	32	R	TB	32 R
069SB-0087-0001-SO	4/29/2015	240-50056-1	240-50056-27	Acetone	11	UJ	TB	16 UJ

Notes:
SDG = Sample Delivery Group
µg/kg = Micrograms per kilogram
VOC = Volatile Organic Compound

U = Undetected
UJ = Not Detected, with estimated reporting limit
ER = Equipment Rinsate
TB = Trip Blank

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2.7 Surrogates

Surrogates are compounds not normally found in the environment that are added (spiked) into samples prior to extraction (for extractable methods) or prior to analysis (for non-extractable methods). The percent recovery (% REC) of each surrogate is used to assess the success of the sample preparation process for an individual sample. All applicable surrogates were within QAPP limits with the exception of low surrogate recoveries in 1 SVOC and 27 VOC samples. In addition, all VOCs in 2 samples (a primary sample and its field duplicate) were rejected based upon surrogate recoveries below 10%. See Table 2-4 for qualified data.

2.8 Laboratory Control Samples and/or Laboratory Control Sample Duplicates

An LCS consists of a matrix, similar to that of the field sample, which is spiked with known concentrations of analytes. The LCS % REC is a measure of the accuracy of the preparation and analytical methods. The laboratory control sample duplicate (LCSD), if analyzed, is a duplicate preparation and analysis of the LCS. The differences between the LCS and LCSD recoveries are used to calculate the RPD, which is a measure of the precision of the preparation and analytical methods. LCS samples were analyzed for each sample batch for all analyses. The SVOC benzoic acid was qualified as rejected in 4 soil boring samples because the LCS recovery was less than 10%. The SVOC hexachlorocyclopentadiene was qualified as UJ due to low LCS recovery in four soil samples. VOCs carbon disulfide and vinyl chloride were qualified as UJ due to low LCS recovery in nine soil samples. VOCs bromomethane, carbon disulfide, chloromethane, and vinyl chloride were qualified as UJ due to low LCS recovery in seven soil samples. See Table 2-5 for sample results qualified due to LCS recoveries.

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Table 2-4: Surrogate Recoveries

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,1,2,2-Tetrachloroethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,1,2-Trichloroethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,1-Dichloroethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,1-Dichloroethene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,2-Dibromoethane (EDB)	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,2-Dichloroethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,2-Dichloroethene	10	UJ	Surrogate recovery -low	10 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	1,2-Dichloropropane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	2-Butanone (MEK)	20	UJ	Surrogate recovery -low	20 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	2-Hexanone	20	UJ	Surrogate recovery -low	20 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	4-Methyl-2-pentanone (MIBK)	20	UJ	Surrogate recovery -low	20 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Benzene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Bromochloromethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Bromodichloromethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Bromoform	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Bromomethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Carbon Disulfide	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Chlorobenzene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Chloroethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Chloroform	5.0	UJ	Surrogate recovery -low	5.0 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Chloromethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	cis-1,3-Dichloropropene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Dibromochloromethane	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Ethylbenzene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Methylene Chloride	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Styrene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Methyl tertiary-butyl ether (MTBE)	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Tetrachloroethene (PCE)	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Toluene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	trans-1,3-Dichloropropene	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Trichloroethene (TCE)	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Vinyl Chloride	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	Xylenes, Total	10	UJ	Surrogate recovery -low	10 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,1,2,2-Tetrachloroethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,1,2-Trichloroethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,1-Dichloroethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,1-Dichloroethene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,2-Dibromoethane (EDB)	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,2-Dichloroethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,2-Dichloroethene	10	UJ	Surrogate recovery -low	10 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample ID	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	1,2-Dichloropropane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	2-Butanone (MEK)	20	UJ	Surrogate recovery -low	20 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	2-Hexanone	20	UJ	Surrogate recovery -low	20 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	4-Methyl-2-pentanone (MIBK)	20	UJ	Surrogate recovery -low	20 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Benzene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Bromochloromethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Bromodichloromethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Bromoform	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Bromomethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Carbon Disulfide	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Chlorobenzene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Chloroethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Chloroform	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Chloromethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	cis-1,3-Dichloropropene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Dibromochloromethane	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Ethylbenzene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Methylene Chloride	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Styrene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Methyl tertiary-butyl ether (MTBE)	5.1	UJ	Surrogate recovery -low	5.1 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Tetrachloroethene (PCE)	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Toluene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	trans-1,3-Dichloropropene	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Trichloroethene (TCE)	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Vinyl Chloride	5.1	UJ	Surrogate recovery -low	5.1 UJ
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	Xylenes, Total	10	UJ	Surrogate recovery -low	10 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,1,2,2-Tetrachloroethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,1,2-Trichloroethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,1-Dichloroethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,1-Dichloroethene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,2-Dibromoethane (EDB)	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,2-Dichloroethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,2-Dichloroethene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	1,2-Dichloropropane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	2-Butanone (MEK)	16	UJ	Surrogate recovery -low	16 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	2-Hexanone	16	UJ	Surrogate recovery -low	16 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	4-Methyl-2-pentanone (MIBK)	16	UJ	Surrogate recovery -low	16 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Benzene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Bromochloromethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Bromodichloromethane	3.9	UJ	Surrogate recovery -low	3.9 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Bromoform	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Bromomethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Carbon Disulfide	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Chlorobenzene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Chloroethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Chloroform	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Chloromethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	cis-1,3-Dichloropropene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Dibromochloromethane	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Ethylbenzene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Methylene Chloride	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Styrene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Methyl tertiary-butyl ether (MTBE)	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Tetrachloroethene (PCE)	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Toluene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	trans-1,3-Dichloropropene	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Trichloroethene (TCE)	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Vinyl Chloride	3.9	UJ	Surrogate recovery -low	3.9 UJ
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	Xylenes, Total	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,1,2,2-Tetrachloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,1,2-Trichloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,1-Dichloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,1-Dichloroethene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,2-Dibromoethane (EDB)	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,2-Dichloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,2-Dichloroethene	8.6	UJ	Surrogate recovery -low	8.6 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	1,2-Dichloropropane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	2-Butanone (MEK)	17	UJ	Surrogate recovery -low	17 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	2-Hexanone	17	UJ	Surrogate recovery -low	17 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	4-Methyl-2-pentanone (MIBK)	17	UJ	Surrogate recovery -low	17 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Acetone	17	UJ	Surrogate recovery -low	17 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Benzene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Bromochloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Bromodichloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Bromoform	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Bromomethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Carbon Disulfide	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Chlorobenzene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Chloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Chloroform	4.3	UJ	Surrogate recovery -low	4.3 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Chloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	cis-1,3-Dichloropropene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Dibromochloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Ethylbenzene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Methylene Chloride	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Styrene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Methyl tertiary-butyl ether (MTBE)	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Tetrachloroethene (PCE)	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Toluene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	trans-1,3-Dichloropropene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Trichloroethene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Vinyl Chloride	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	Xylenes, Total	8.6	UJ	Surrogate recovery -low	8.6 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,1,2,2-Tetrachloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,1,2-Trichloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,1-Dichloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,1-Dichloroethene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,2-Dibromoethane (EDB)	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,2-Dichloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,2-Dichloroethene	9.3	UJ	Surrogate recovery -low	9.3 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	1,2-Dichloropropane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	2-Butanone (MEK)	19	UJ	Surrogate recovery -low	19 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	2-Hexanone	19	UJ	Surrogate recovery -low	19 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	4-Methyl-2-pentanone (MIBK)	19	UJ	Surrogate recovery -low	19 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Acetone	20	UJ	Surrogate recovery -low	20 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Benzene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Bromochloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Bromodichloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Bromoform	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Bromomethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Carbon Disulfide	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Chlorobenzene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Chloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Chloroform	1.8	J	Surrogate recovery -low	1.8 J
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Chloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	cis-1,3-Dichloropropene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Dibromochloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Ethylbenzene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Methylene Chloride	7.7	J	Surrogate recovery -low	7.7 J
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Styrene	4.7	UJ	Surrogate recovery -low	4.7 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Methyl tertiary-butyl ether (MTBE)	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Tetrachloroethene (PCE)	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Toluene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	trans-1,3-Dichloropropene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Trichloroethene (TCE)	1.6	J	Surrogate recovery -low	1.6 J
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Vinyl Chloride	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	Xylenes, Total	9.3	UJ	Surrogate recovery -low	9.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,1,1-Trichloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,1,2,2-Tetrachloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,1,2-Trichloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,1-Dichloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,1-Dichloroethene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,2-Dibromoethane (EDB)	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,2-Dichloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,2-Dichloroethene	8.7	UJ	Surrogate recovery -low	8.7 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	1,2-Dichloropropane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	2-Butanone (MEK)	17	UJ	Surrogate recovery -low	17 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	2-Hexanone	17	UJ	Surrogate recovery -low	17 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	4-Methyl-2-pentanone (MIBK)	17	UJ	Surrogate recovery -low	17 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Acetone	17	UJ	Surrogate recovery -low	17 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Benzene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Bromochloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Bromodichloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Bromoform	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Bromomethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Carbon Disulfide	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Carbon Tetrachloride	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Chlorobenzene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Chloroethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Chloroform	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Chloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	cis-1,3-Dichloropropene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Dibromochloromethane	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Ethylbenzene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Methylene Chloride	5.0	J	Surrogate recovery -low	5.0 J
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Styrene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Methyl tertiary-butyl ether (MTBE)	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Tetrachloroethene (PCE)	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Toluene	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	trans-1,3-Dichloropropene	4.3	UJ	Surrogate recovery -low	4.3 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Trichloroethene (TCE)	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Vinyl Chloride	4.3	UJ	Surrogate recovery -low	4.3 UJ
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	Xylenes, Total	8.7	UJ	Surrogate recovery -low	8.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,1,1-Trichloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,1,2,2-Tetrachloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,1,2-Trichloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,1-Dichloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,1-Dichloroethene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,2-Dibromoethane (EDB)	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,2-Dichloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,2-Dichloroethene	9.5	UJ	Surrogate recovery -low	9.5 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	1,2-Dichloropropane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	2-Butanone (MEK)	19	UJ	Surrogate recovery -low	19 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	2-Hexanone	19	UJ	Surrogate recovery -low	19 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	4-Methyl-2-pentanone (MIBK)	19	UJ	Surrogate recovery -low	19 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Acetone	19	UJ	Surrogate recovery -low	19 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Benzene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Bromochloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Bromodichloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Bromoform	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Bromomethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Carbon Disulfide	4.7	UJ	Surrogate recovery -low	4.7 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Carbon Tetrachloride	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Chlorobenzene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Chloroethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Chloroform	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Chloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	cis-1,3-Dichloropropene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Dibromochloromethane	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Ethylbenzene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Methylene Chloride	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Styrene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Methyl tertiary-butyl ether (MTBE)	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Tetrachloroethene (PCE)	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Toluene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	trans-1,3-Dichloropropene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Trichloroethene	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Vinyl Chloride	4.7	UJ	Surrogate recovery -low	4.7 UJ
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	Xylenes, Total	9.5	UJ	Surrogate recovery -low	9.5 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,1,1-Trichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,1,2,2-Tetrachloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,1,2-Trichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,1-Dichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,1-Dichloroethene	220	UJ	Surrogate recovery -low	220 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,2-Dibromoethane (EDB)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,2-Dichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,2-Dichloroethene	440	UJ	Surrogate recovery -low	440 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	1,2-Dichloropropane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	2-Butanone (MEK)	890	UJ	Surrogate recovery -low	890 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	2-Hexanone	890	UJ	Surrogate recovery -low	890 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	4-Methyl-2-pentanone (MIBK)	890	UJ	Surrogate recovery -low	890 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Acetone	890	UJ	Surrogate recovery -low	890 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Benzene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Bromochloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Bromodichloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Bromoform	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Bromomethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Carbon Disulfide	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Carbon Tetrachloride	370	J	Surrogate recovery -low	370 J
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Chlorobenzene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Chloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Chloroform	54	J	Surrogate recovery -low	54 J
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Chloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	cis-1,3-Dichloropropene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Dibromochloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Ethylbenzene	220	UJ	Surrogate recovery -low	220 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Methyl tertiary-butyl ether (MTBE)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Methylene Chloride	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Styrene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Tetrachloroethene (PCE)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Toluene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	trans-1,3-Dichloropropene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Trichloroethene (TCE)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Vinyl Chloride	220	UJ	Surrogate recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Xylenes, Total	440	UJ	Surrogate recovery -low	440 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,1,1-Trichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,1,2,2-Tetrachloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,1,2-Trichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,1-Dichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,1-Dichloroethene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,2-Dibromoethane (EDB)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,2-Dichloroethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,2-Dichloroethene	440	UJ	Surrogate recovery -low	440 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	1,2-Dichloropropane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	2-Butanone (MEK)	880	UJ	Surrogate recovery -low	880 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	2-Hexanone	880	UJ	Surrogate recovery -low	880 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	4-Methyl-2-pentanone (MIBK)	880	UJ	Surrogate recovery -low	880 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Acetone	310	J	Surrogate recovery -low	310 J
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Benzene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Bromochloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Bromodichloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Bromoform	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Bromomethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Carbon Tetrachloride	4300	J	Surrogate recovery -low	4300 J
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Chlorobenzene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Chloroform	190	J	Surrogate recovery -low	190 J
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Chloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	cis-1,3-Dichloropropene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Dibromochloromethane	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Ethylbenzene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Methyl tertiary-butyl ether (MTBE)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Methylene Chloride	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Styrene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Tetrachloroethene (PCE)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Toluene	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	trans-1,3-Dichloropropene	220	U	Surrogate recovery -low	220 U
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Trichloroethene (TCE)	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Vinyl Chloride	220	UJ	Surrogate recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Xylenes, Total	440	UJ	Surrogate recovery -low	440 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,1,1-Trichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,1,2,2-Tetrachloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,1,2-Trichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,1-Dichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,1-Dichloroethene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,2-Dibromoethane (EDB)	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,2-Dichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,2-Dichloroethene	470	UJ	Surrogate recovery -low	470 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	1,2-Dichloropropane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	2-Butanone (MEK)	940	UJ	Surrogate recovery -low	940 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	2-Hexanone	940	UJ	Surrogate recovery -low	940 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	4-Methyl-2-pentanone (MIBK)	940	UJ	Surrogate recovery -low	940 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Acetone	530	J	Surrogate recovery -low	530 J
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Benzene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Bromochloromethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Bromodichloromethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Bromoform	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Bromomethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Carbon Tetrachloride	8400	J	Surrogate recovery -low	8400 J
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Chlorobenzene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Chloroform	150	J	Surrogate recovery -low	150 J
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Chloromethane	240	UJ	Surrogate recovery -low	240 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	cis-1,3-Dichloropropene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Dibromochloromethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Ethylbenzene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Methyl tertiary-butyl ether (MTBE)	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Methylene Chloride	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Styrene	7.6	J	Surrogate recovery -low	7.6 J
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Tetrachloroethene (PCE)	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Toluene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	trans-1,3-Dichloropropene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Trichloroethene (TCE)	20	J	Surrogate recovery -low	20 J
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Vinyl Chloride	240	UJ	Surrogate recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Xylenes, Total	470	UJ	Surrogate recovery -low	470 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,1,1-Trichloroethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,1,2,2-Tetrachloroethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,1,2-Trichloroethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,1-Dichloroethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,1-Dichloroethene	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,2-Dibromoethane (EDB)	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,2-Dichloroethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,2-Dichloroethene	420	UJ	Surrogate recovery -low	420 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	1,2-Dichloropropane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	2-Butanone (MEK)	850	UJ	Surrogate recovery -low	850 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	2-Hexanone	850	UJ	Surrogate recovery -low	850 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	4-Methyl-2-pentanone (MIBK)	850	UJ	Surrogate recovery -low	850 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Acetone	370	J	Surrogate recovery -low	370 J
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Benzene	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Bromochloromethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Bromodichloromethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Bromoform	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Bromomethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Carbon Tetrachloride	7900	J	Surrogate recovery -low	7900 J
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Chlorobenzene	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Chloroform	330	J	Surrogate recovery -low	330 J
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Chloromethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	cis-1,3-Dichloropropene	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Dibromochloromethane	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Ethylbenzene	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Methyl tertiary-butyl ether (MTBE)	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Methylene Chloride	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Styrene	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Tetrachloroethene (PCE)	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Toluene	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	trans-1,3-Dichloropropene	210	UJ	Surrogate recovery -low	210 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Trichloroethene (TCE)	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Vinyl Chloride	210	UJ	Surrogate recovery -low	210 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Xylenes, Total	420	UJ	Surrogate recovery -low	420 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,1,1-Trichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,1,2,2-Tetrachloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,1,2-Trichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,1-Dichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,1-Dichloroethene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,2-Dibromoethane (EDB)	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,2-Dichloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,2-Dichloroethene	480	UJ	Surrogate recovery -low	480 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	1,2-Dichloropropane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	2-Butanone (MEK)	960	UJ	Surrogate recovery -low	960 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	2-Hexanone	960	UJ	Surrogate recovery -low	960 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	4-Methyl-2-pentanone (MIBK)	960	UJ	Surrogate recovery -low	960 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Acetone	340	J	Surrogate recovery -low	340 J
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Benzene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Bromochloromethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Bromodichloromethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Bromoform	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Bromomethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Carbon Disulfide	240	UJ	Surrogate recovery -low	240 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Carbon Tetrachloride	3800	J	Surrogate recovery -low	3800 J
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Chlorobenzene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Chloroethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Chloroform	870	J	Surrogate recovery -low	870 J
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Chloromethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	cis-1,3-Dichloropropene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Dibromochloromethane	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Ethylbenzene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Methyl tertiary-butyl ether (MTBE)	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Methylene Chloride	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Styrene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Tetrachloroethene (PCE)	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Toluene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	trans-1,3-Dichloropropene	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Trichloroethene (TCE)	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Vinyl Chloride	240	UJ	Surrogate recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Xylenes, Total	480	UJ	Surrogate recovery -low	480 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,1,1-Trichloroethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,1,2,2-Tetrachloroethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,1,2-Trichloroethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,1-Dichloroethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,1-Dichloroethene	250	UJ	Surrogate recovery -low	250 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,2-Dibromoethane (EDB)	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,2-Dichloroethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,2-Dichloroethene	500	UJ	Surrogate recovery -low	500 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	1,2-Dichloropropane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	2-Butanone (MEK)	1000	UJ	Surrogate recovery -low	1000 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	2-Hexanone	1000	UJ	Surrogate recovery -low	1000 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	4-Methyl-2-pentanone (MIBK)	1000	UJ	Surrogate recovery -low	1000 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Acetone	410	J	Surrogate recovery -low	410 J
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Benzene	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Bromochloromethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Bromodichloromethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Bromoform	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Bromomethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Carbon Tetrachloride	5400	J	Surrogate recovery -low	5400 J
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Chlorobenzene	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Chloroform	540	J	Surrogate recovery -low	540 J
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Chloromethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	cis-1,3-Dichloropropene	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Dibromochloromethane	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Ethylbenzene	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Methyl tertiary-butyl ether (MTBE)	250	UJ	Surrogate recovery -low	250 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Methylene Chloride	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Styrene	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Tetrachloroethene (PCE)	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Toluene	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	trans-1,3-Dichloropropene	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Trichloroethene (TCE)	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Vinyl Chloride	250	UJ	Surrogate recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Xylenes, Total	500	UJ	Surrogate recovery -low	500 UJ
069SB-0037-0001-SO	4/7/2015	240-49085-1	240-49085-9	Acetone	20	UJ	Surrogate recovery -low	20 UJ
069SB-0037-0001-SO	4/7/2015	240-49085-1	240-49085-9	Methylene Chloride	5.0	UJ	Surrogate recovery -low	5.0 UJ
069SB-0038-0001-SO	4/7/2015	240-49085-1	240-49085-10	Acetone	38	J	Surrogate recovery -low	38 J
069SB-0038-0001-SO	4/7/2015	240-49085-1	240-49085-10	Methylene Chloride	7.7	J	Surrogate recovery -low	7.7 J
069SB-0039-0001-SO	4/7/2015	240-49085-1	240-49085-11	Acetone	29	UJ	Surrogate recovery -low	29 UJ
069SB-0039-0001-SO	4/7/2015	240-49085-1	240-49085-11	Methylene Chloride	7.2	UJ	Surrogate recovery -low	7.2 UJ
069SB-0040-0001-SO	4/7/2015	240-49085-1	240-49085-12	Acetone	16	UJ	Surrogate recovery -low	16 UJ
069SB-0040-0001-SO	4/7/2015	240-49085-1	240-49085-12	Methylene Chloride	4.0	UJ	Surrogate recovery -low	4.0 UJ
069SB-0041-0001-SO	4/7/2015	240-49085-1	240-49085-13	Acetone	16	UJ	Surrogate recovery -low	16 UJ
069SB-0041-0001-SO	4/7/2015	240-49085-1	240-49085-13	Methylene Chloride	7.3	J	Surrogate recovery -low	7.3 J
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,1,1-Trichloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,1,2,2-Tetrachloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,1,2-Trichloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,1-Dichloroethane	230	UJ	Surrogate recovery -low	230 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,1-Dichloroethene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,2-Dibromoethane (EDB)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,2-Dichloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,2-Dichloroethene	470	UJ	Surrogate recovery -low	470 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	1,2-Dichloropropane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	2-Butanone (MEK)	940	UJ	Surrogate recovery -low	940 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	2-Hexanone	940	UJ	Surrogate recovery -low	940 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	4-Methyl-2-pentanone (MIBK)	940	UJ	Surrogate recovery -low	940 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Acetone	300	J	Surrogate recovery -low	300 J
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Benzene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Bromochloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Bromodichloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Bromoform	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Bromomethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Carbon Tetrachloride	550	J	Surrogate recovery -low	550 J
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Chlorobenzene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Chloroform	58	J	Surrogate recovery -low	58 J
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Chloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	cis-1,3-Dichloropropene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Dibromochloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Ethylbenzene	230	UJ	Surrogate recovery -low	230 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Methyl tertiary-butyl ether (MTBE)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Methylene Chloride	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Styrene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Tetrachloroethene (PCE)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Toluene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	trans-1,3-Dichloropropene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Trichloroethene (TCE)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Vinyl Chloride	230	UJ	Surrogate recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Xylenes, Total	470	UJ	Surrogate recovery -low	470 UJ
069SB-0044-0001-SO	4/7/2015	240-49085-1	240-49085-16	Acetone	17	UJ	Surrogate recovery -low	17 UJ
069SB-0044-0001-SO	4/7/2015	240-49085-1	240-49085-16	Methylene Chloride	3.4	J	Surrogate recovery -low	3.4 J
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,1,1-Trichloroethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,1,2,2-Tetrachloroethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,1,2-Trichloroethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,1-Dichloroethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,1-Dichloroethene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,2-Dibromoethane (EDB)	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,2-Dichloroethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,2-Dichloroethene	820	UJ	Surrogate recovery -low	820 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	1,2-Dichloropropane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	2-Butanone (MEK)	1600	UJ	Surrogate recovery -low	1600 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	2-Hexanone	1600	UJ	Surrogate recovery -low	1600 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	4-Methyl-2-pentanone (MIBK)	1600	UJ	Surrogate recovery -low	1600 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Acetone	1600	UJ	Surrogate recovery -low	1600 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Benzene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Bromochloromethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Bromodichloromethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Bromoform	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Bromomethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Carbon Tetrachloride	8200	J	Surrogate recovery -low	8200 J
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Chlorobenzene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Chloroform	140	J	Surrogate recovery -low	140 J
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Chloromethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	cis-1,3-Dichloropropene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Dibromochloromethane	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Ethylbenzene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Methyl tertiary-butyl ether (MTBE)	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Methylene Chloride	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Styrene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Tetrachloroethene (PCE)	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Toluene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	trans-1,3-Dichloropropene	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Trichloroethene (TCE)	25	J	Surrogate recovery -low	25 J

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Vinyl Chloride	410	UJ	Surrogate recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Xylenes, Total	820	UJ	Surrogate recovery -low	820 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,1,1-Trichloroethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,1,2,2-Tetrachloroethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,1,2-Trichloroethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,1-Dichloroethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,1-Dichloroethene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,2-Dibromoethane (EDB)	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,2-Dichloroethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,2-Dichloroethene	1600	UJ	Surrogate recovery -low	1600 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	1,2-Dichloropropane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	2-Butanone (MEK)	3100	UJ	Surrogate recovery -low	3100 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	2-Hexanone	3100	UJ	Surrogate recovery -low	3100 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	4-Methyl-2-pentanone (MIBK)	3100	UJ	Surrogate recovery -low	3100 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Acetone	3100	UJ	Surrogate recovery -low	3100 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Benzene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Bromochloromethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Bromodichloromethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Bromoform	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Bromomethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Carbon Disulfide	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Carbon Tetrachloride	13000	J	Surrogate recovery -low	13000 J

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Chlorobenzene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Chloroethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Chloroform	180	J	Surrogate recovery -low	180 J
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Chloromethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	cis-1,3-Dichloropropene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Dibromochloromethane	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Ethylbenzene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Methyl tertiary-butyl ether (MTBE)	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Methylene Chloride	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Styrene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Tetrachloroethene (PCE)	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Toluene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	trans-1,3-Dichloropropene	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Trichloroethene (TCE)	39	J	Surrogate recovery -low	39 J
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Vinyl Chloride	780	UJ	Surrogate recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Xylenes, Total	1600	UJ	Surrogate recovery -low	1600 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,1,1-Trichloroethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,1,2,2-Tetrachloroethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,1,2-Trichloroethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,1-Dichloroethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,1-Dichloroethene	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,2-Dibromoethane (EDB)	690	UJ	Surrogate recovery -low	690 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,2-Dichloroethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,2-Dichloroethene	1400	UJ	Surrogate recovery -low	1400 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	1,2-Dichloropropane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	2-Butanone (MEK)	2800	UJ	Surrogate recovery -low	2800 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	2-Hexanone	2800	UJ	Surrogate recovery -low	2800 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	4-Methyl-2-pentanone (MIBK)	2800	UJ	Surrogate recovery -low	2800 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Acetone	2800	UJ	Surrogate recovery -low	2800 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Benzene	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Bromochloromethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Bromodichloromethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Bromoform	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Bromomethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Carbon Disulfide	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Carbon Tetrachloride	12000	J	Surrogate recovery -low	12000 J
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Chlorobenzene	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Chloroethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Chloroform	240	J	Surrogate recovery -low	240 J
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Chloromethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	cis-1,3-Dichloropropene	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Dibromochloromethane	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Ethylbenzene	690	UJ	Surrogate recovery -low	690 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Methyl tertiary-butyl ether (MTBE)	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Methylene Chloride	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Styrene	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Tetrachloroethene (PCE)	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Toluene	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	trans-1,3-Dichloropropene	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Trichloroethene (TCE)	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Vinyl Chloride	690	UJ	Surrogate recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Xylenes, Total	1400	UJ	Surrogate recovery -low	1400 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,1,1-Trichloroethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,1,2,2-Tetrachloroethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,1,2-Trichloroethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,1-Dichloroethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,1-Dichloroethene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,2-Dibromoethane (EDB)	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,2-Dichloroethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,2-Dichloroethene	540	UJ	Surrogate recovery -low	540 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	1,2-Dichloropropane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	2-Butanone (MEK)	1100	UJ	Surrogate recovery -low	1100 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	2-Hexanone	1100	UJ	Surrogate recovery -low	1100 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	4-Methyl-2-pentanone (MIBK)	1100	UJ	Surrogate recovery -low	1100 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Acetone	1100	UJ	Surrogate recovery -low	1100 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Benzene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Bromochloromethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Bromodichloromethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Bromoform	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Bromomethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Carbon Tetrachloride	700	J	Surrogate recovery -low	700 J
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Chlorobenzene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Chloroform	29	J	Surrogate recovery -low	29 J
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Chloromethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	cis-1,3-Dichloropropene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Dibromochloromethane	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Ethylbenzene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Methyl tertiary-butyl ether (MTBE)	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Methylene Chloride	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Styrene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Tetrachloroethene (PCE)	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Toluene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	trans-1,3-Dichloropropene	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Trichloroethene (TCE)	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Vinyl Chloride	270	UJ	Surrogate recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Xylenes, Total	540	UJ	Surrogate recovery -low	540 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,1,1-Trichloroethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,1,2,2-Tetrachloroethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,1,2-Trichloroethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,1-Dichloroethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,1-Dichloroethene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,2-Dibromoethane (EDB)	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,2-Dichloroethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,2-Dichloroethene	390	UJ	Surrogate recovery -low	390 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	1,2-Dichloropropane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	2-Butanone (MEK)	790	UJ	Surrogate recovery -low	790 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	2-Hexanone	790	UJ	Surrogate recovery -low	790 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	4-Methyl-2-pentanone (MIBK)	790	UJ	Surrogate recovery -low	790 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Acetone	790	UJ	Surrogate recovery -low	790 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Benzene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Bromochloromethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Bromodichloromethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Bromoform	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Bromomethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Carbon Disulfide	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Carbon Tetrachloride	3200	J	Surrogate recovery -low	3200 J
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Chlorobenzene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Chloroethane	200	UJ	Surrogate recovery -low	200 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Chloroform	530	J	Surrogate recovery -low	530 J
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Chloromethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	cis-1,3-Dichloropropene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Dibromochloromethane	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Ethylbenzene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Methyl tertiary-butyl ether (MTBE)	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Methylene Chloride	200	UJ	Surrogate recovery -low	220 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Styrene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Tetrachloroethene (PCE)	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Toluene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	trans-1,3-Dichloropropene	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Trichloroethene (TCE)	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Vinyl Chloride	200	UJ	Surrogate recovery -low	200 UJ
069SB-0065-0001-SO	4/29/2015	240-50056-1	240-50056-3	Xylenes, Total	390	UJ	Surrogate recovery -low	390 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,1,1-Trichloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,1,2,2-Tetrachloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,1,2-Trichloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,1-Dichloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,1-Dichloroethene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,2-Dibromoethane (EDB)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,2-Dichloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,2-Dichloroethene	460	UJ	Surrogate recovery -low	460 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	1,2-Dichloropropane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	2-Butanone (MEK)	920	UJ	Surrogate recovery -low	920 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	2-Hexanone	920	UJ	Surrogate recovery -low	920 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	4-Methyl-2-pentanone (MIBK)	920	UJ	Surrogate recovery -low	920 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Acetone	920	UJ	Surrogate recovery -low	920 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Benzene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Bromochloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Bromodichloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Bromoform	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Bromomethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Carbon Disulfide	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Carbon Tetrachloride	4900	J	Surrogate recovery -low	4900 J
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Chlorobenzene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Chloroethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Chloroform	170	J	Surrogate recovery -low	170 J
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Chloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	cis-1,3-Dichloropropene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Dibromochloromethane	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Ethylbenzene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Methyl tertiary-butyl ether (MTBE)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Styrene	230	UJ	Surrogate recovery -low	230 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Tetrachloroethene (PCE)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Toluene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	trans-1,3-Dichloropropene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Trichloroethene (TCE)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Vinyl Chloride	230	UJ	Surrogate recovery -low	230 UJ
069SB-0068-0001-SO	4/29/2015	240-50056-1	240-50056-4	Xylenes, Total	460	UJ	Surrogate recovery -low	460 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Carbon Tetrachloride	0.86	J	Surrogate recovery -high	0.86 J
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Chloroform	0.33	J	Surrogate recovery -high	0.33 J
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Ethylbenzene	0.38	J	Surrogate recovery -high	0.38 J
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Toluene	0.24	J	Surrogate recovery -high	0.24 J
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,1,1-Trichloroethane	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,1,2,2-Tetrachloroethane	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,1,2-Trichloroethane	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,1-Dichloroethane	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,1-Dichloroethene	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,2-Dibromoethane (EDB)	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,2-Dichloroethane	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,2-Dichloroethene	8.7	R	Surrogate recovery <-10%	8.7 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	1,2-Dichloropropane	4.4	R	Surrogate recovery <-10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	2-Butanone (MEK)	17	R	Surrogate recovery <-10%	17 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	2-Hexanone	17	R	Surrogate recovery <-10%	17 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	4-Methyl-2-pentanone (MIBK)	17	R	Surrogate recovery <-10%	17 R

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Acetone	17	R	Surrogate recovery <10%	17 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Benzene	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Bromochloromethane	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Bromodichloromethane	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Bromoform	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Bromomethane	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Carbon Disulfide	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Carbon Tetrachloride	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Chlorobenzene	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Chloroethane	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Chloroform	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Chloromethane	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	cis-1,3-Dichloropropene	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Dibromochloromethane	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Ethylbenzene	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Methyl tertiary-butyl ether (MTBE)	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Methylene Chloride	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Styrene	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Tetrachloroethene (PCE)	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Toluene	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	trans-1,3-Dichloropropene	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Trichloroethene (TCE)	4.4	R	Surrogate recovery <10%	4.4 R

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Vinyl Chloride	4.4	R	Surrogate recovery <10%	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Xylenes, Total	8.7	R	Surrogate recovery <10%	8.7 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,1,1-Trichloroethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,1,2,2-Tetrachloroethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,1,2-Trichloroethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,1-Dichloroethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,1-Dichloroethene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,2-Dibromoethane (EDB)	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,2-Dichloroethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,2-Dichloroethene	13	R	Surrogate recovery <10%	13 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,2-Dichloropropane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	2-Butanone (MEK)	26	R	Surrogate recovery <10%	26 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	2-Hexanone	26	R	Surrogate recovery <10%	26 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	4-Methyl-2-pentanone (MIBK)	26	R	Surrogate recovery <10%	26 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Acetone	32	R	Surrogate recovery <10%	32 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Benzene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Bromochloromethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Bromodichloromethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Bromoform	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Bromomethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Carbon Disulfide	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Carbon Tetrachloride	6.5	R	Surrogate recovery <10%	6.5 R

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Chlorobenzene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Chloroethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Chloroform	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Chloromethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	cis-1,3-Dichloropropene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Dibromochloromethane	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Ethylbenzene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Methyl tertiary-butyl ether (MTBE)	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Methylene Chloride	32	R	Surrogate recovery <10%	32 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Styrene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Tetrachloroethene (PCE)	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Toluene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	trans-1,3-Dichloropropene	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Trichloroethene (TCE)	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Vinyl Chloride	6.5	R	Surrogate recovery <10%	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Xylenes, Total	13	R	Surrogate recovery <10%	13 R
SVOC (µg/kg)								
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	1,2,4-Trichlorobenzene	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	1,2-Dichlorobenzene	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	1,3-Dichlorobenzene	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	1,4-Dichlorobenzene	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4,5-Trichlorophenol	170	UJ	Surrogate recovery -low	170 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4,6-Trichlorophenol	170	UJ	Surrogate recovery -low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4-Dichlorophenol	170	UJ	Surrogate recovery -low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4-Dimethylphenol	170	UJ	Surrogate recovery -low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4-Dinitrophenol	380	UJ	Surrogate recovery -low	380 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4-Dinitrotoluene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,6-Dinitrotoluene	230	UJ	Surrogate recovery -low	230 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2-Chloronaphthalene	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2-Chlorophenol	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2-Methylnaphthalene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2-Methylphenol (o-Cresol)	230	UJ	Surrogate recovery -low	230 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2-Nitroaniline	230	UJ	Surrogate recovery -low	230 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2-Nitrophenol	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	3,3'-Dichlorobenzidine	120	UJ	Surrogate recovery -low	120 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	3-Nitroaniline	230	UJ	Surrogate recovery -low	230 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4,6-Dinitro-2-methylphenol	170	UJ	Surrogate recovery -low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4-Bromophenyl phenyl ether	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4-Chloro-3-methylphenol	170	UJ	Surrogate recovery -low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4-Chloroaniline	170	UJ	Surrogate recovery -low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4-Chlorophenyl phenyl ether	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4-Nitroaniline	230	UJ	Surrogate recovery -low	230 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4-Nitrophenol	380	UJ	Surrogate recovery -low	380 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Acenaphthene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Acenaphthylene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Anthracene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzo(a)anthracene	7.6	J	Surrogate recovery -low	7.6 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzo(a)pyrene	6.6	J	Surrogate recovery -low	6.6 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzo(b)fluoranthene	12	J	Surrogate recovery -low	12 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzo(g,h,i)perylene	6.0	J	Surrogate recovery -low	6.0 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzo(k)fluoranthene	4.0	J	Surrogate recovery -low	4.0 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzoic acid	770	UJ	Surrogate recovery -low	770 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzyl alcohol	380	UJ	Surrogate recovery -low	380 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Benzyl butyl phthalate	82	UJ	Surrogate recovery -low	82 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	bis(2-Chloroethoxy) methane	120	UJ	Surrogate recovery -low	120 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	bis(2-Chloroethyl) ether (2-Chloroethyl ether)	120	UJ	Surrogate recovery -low	120 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	bis(2-Chloroisopropyl) ether	120	UJ	Surrogate recovery -low	120 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	bis(2-Ethylhexyl) phthalate	25	J	Surrogate recovery -low	25 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Carbazole	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Chrysene	9.1	J	Surrogate recovery -low	9.1 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Cresols, m & p	470	UJ	Surrogate recovery -low	470 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Di-n-Butyl phthalate	82	UJ	Surrogate recovery -low	82 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Di-n-Octylphthalate	82	UJ	Surrogate recovery -low	82 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Dibenz(a,h)anthracene	7.8	UJ	Surrogate recovery -low	7.8 UJ

Table 2-4: Surrogate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Dibenzofuran	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Diethyl phthalate	82	UJ	Surrogate recovery -low	82 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Dimethyl phthalate	82	UJ	Surrogate recovery -low	82 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Fluoranthene	15	J	Surrogate recovery -low	15 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Fluorene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Hexachlorobenzene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Hexachlorobutadiene	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Hexachloroethane	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Indeno(1,2,3-c,d)pyrene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Isophorone	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	n-Nitrosodi-n-propylamine	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	n-Nitrosodiphenylamine	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Naphthalene	7.8	UJ	Surrogate recovery -low	7.8 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Nitrobenzene	120	UJ	Surrogate recovery -low	120 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Pentachlorophenol	170	UJ	Surrogate recovery -low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Phenanthrene	6.6	J	Surrogate recovery -low	6.6 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Phenol	58	UJ	Surrogate recovery -low	58 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Pyrene	12	J	Surrogate recovery -low	12 J

Notes:

SDG = Sample Delivery Group
 µg/kg = Micrograms per kilogram
 VOC = Volatile Organic Compound
 SVOC = Semi-volatile Organic Compound

UJ = Not Detected, with estimated reporting limit
 J = Estimated
 R = Rejected

Table 2-5: Laboratory Control Sample/Laboratory Control Sample Duplicate Recoveries

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0005M-0001-SO	11/12/2012	240-17602-1	240-17602-1	Benzoic acid	660	R	LCS Recovery < 10%	660 R
069SB-0006M-0001-SO	11/12/2012	240-17602-1	240-17602-2	Benzoic acid	660	R	LCS Recovery < 10%	660 R
069SB-0007M-0001-SO	11/12/2012	240-17602-1	240-17602-3	Benzoic acid	660	R	LCS Recovery < 10%	660 R
069SB-0008M-0001-SO	11/12/2012	240-17602-1	240-17602-4	Benzoic acid	650	R	LCS Recovery < 10%	650 R
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Hexachlorocyclopentadiene	420	UJ	LCS Recovery -low	420 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Hexachlorocyclopentadiene	380	UJ	LCS Recovery -low	380 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Hexachlorocyclopentadiene	380	UJ	LCS Recovery -low	380 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Hexachlorocyclopentadiene	380	UJ	LCS Recovery -low	380 UJ
VOC (µg/kg)								
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Carbon Disulfide	220	UJ	LCS Recovery -low	220 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Vinyl Chloride	220	UJ	LCS Recovery -low	220 UJ
069SB-0030-0001-SO	4/7/2015	240-49085-1	240-49085-2	Carbon Disulfide	210	UJ	LCS Recovery -low	210 UJ
069SB-0030-0001-SO	4/7/2015	240-49085-1	240-49085-2	Vinyl Chloride	210	UJ	LCS Recovery -low	210 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Carbon Disulfide	220	UJ	LCS Recovery -low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Vinyl Chloride	220	UJ	LCS Recovery -low	220 UJ
069SB-0032-0001-SO	4/7/2015	240-49085-1	240-49085-4	Carbon Disulfide	220	UJ	LCS Recovery -low	220 UJ
069SB-0032-0001-SO	4/7/2015	240-49085-1	240-49085-4	Vinyl Chloride	220	UJ	LCS Recovery -low	220 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Carbon Disulfide	240	UJ	LCS Recovery -low	240 UJ
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Vinyl Chloride	240	UJ	LCS Recovery -low	240 UJ
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Carbon Disulfide	210	UJ	LCS Recovery -low	210 UJ

Table 2-5: Laboratory Control Sample and/or Laboratory Control Sample Duplicate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Vinyl Chloride	210	UJ	LCS Recovery -low	210 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Carbon Disulfide	240	UJ	LCS Recovery -low	240 UJ
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Vinyl Chloride	240	UJ	LCS Recovery -low	240 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Carbon Disulfide	250	UJ	LCS Recovery -low	250 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Vinyl Chloride	250	UJ	LCS Recovery -low	250 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Carbon Disulfide	230	UJ	LCS Recovery -low	230 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Vinyl Chloride	230	UJ	LCS Recovery -low	230 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-1	240-49085-15	Bromomethane	210	UJ	LCS Recovery -low	210 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-1	240-49085-15	Carbon Disulfide	210	UJ	LCS Recovery -low	210 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-1	240-49085-15	Chloromethane	210	UJ	LCS Recovery -low	210 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-1	240-49085-15	Vinyl Chloride	210	UJ	LCS Recovery -low	210 UJ
069SB-0051-0001-SO	4/7/2015	240-49085-1	240-49085-23	Bromomethane	230	UJ	LCS Recovery -low	230 UJ
069SB-0051-0001-SO	4/7/2015	240-49085-1	240-49085-23	Carbon Disulfide	230	UJ	LCS Recovery -low	230 UJ
069SB-0051-0001-SO	4/7/2015	240-49085-1	240-49085-23	Chloromethane	230	UJ	LCS Recovery -low	230 UJ
069SB-0051-0001-SO	4/7/2015	240-49085-1	240-49085-23	Vinyl Chloride	230	UJ	LCS Recovery -low	230 UJ
069SB-0053-0001-SO	4/7/2015	240-49085-1	240-49085-25	Bromomethane	220	UJ	LCS Recovery -low	220 UJ
069SB-0053-0001-SO	4/7/2015	240-49085-1	240-49085-25	Carbon Disulfide	220	UJ	LCS Recovery -low	220 UJ
069SB-0053-0001-SO	4/7/2015	240-49085-1	240-49085-25	Chloromethane	220	UJ	LCS Recovery -low	220 UJ
069SB-0053-0001-SO	4/7/2015	240-49085-1	240-49085-25	Vinyl Chloride	220	UJ	LCS Recovery -low	220 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Bromomethane	410	UJ	LCS Recovery -low	410 UJ

Table 2-5: Laboratory Control Sample and/or Laboratory Control Sample Duplicate Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Carbon Disulfide	410	UJ	LCS Recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Chloromethane	410	UJ	LCS Recovery -low	410 UJ
069SB-0054-0001-SO	4/7/2015	240-49085-1	240-49085-26	Vinyl Chloride	410	UJ	LCS Recovery -low	410 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Bromomethane	780	UJ	LCS Recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Carbon Disulfide	780	UJ	LCS Recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Chloromethane	780	UJ	LCS Recovery -low	780 UJ
069SB-0055-0001-SO	4/7/2015	240-49085-1	240-49085-27	Vinyl Chloride	780	UJ	LCS Recovery -low	780 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Bromomethane	690	UJ	LCS Recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Carbon Disulfide	690	UJ	LCS Recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Chloromethane	690	UJ	LCS Recovery -low	690 UJ
069SB-0056-0001-SO	4/7/2015	240-49085-1	240-49085-28	Vinyl Chloride	690	UJ	LCS Recovery -low	690 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Bromomethane	270	UJ	LCS Recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Carbon Disulfide	270	UJ	LCS Recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Chloromethane	270	UJ	LCS Recovery -low	270 UJ
069SB-0061-0001-SO	4/7/2015	240-49085-1	240-49085-33	Vinyl Chloride	270	UJ	LCS Recovery -low	270 UJ

Notes:

SDG = Sample Delivery Group
 µg/kg = Micrograms per kilogram
 SVOC = Semi-volatile Organic Compound
 VOC = Volatile Organic Compound

UJ = Not Detected, with estimated reporting limit
 R = Rejected
 LCS = Laboratory Control Sample

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2.9 Matrix Spikes and Matrix Spike Duplicates

MS/MSD analyses measure method accuracy and precision for a project-specific matrix. A field sample is split into three portions (original, MS, and MSD) and known amounts of analytes are added (spiked) into the MS and MSD portions of the sample. The analytical results of these two portions are compared to each other for reproducibility using the RPD. These results are also compared against the unspiked portion of the sample for the percent recovery of the spiked analytes. Low MS recovery exceedances for non-detects are qualified as UJ (non-detect with an estimated reporting limit) and detects qualified as J (estimated). High MS recovery exceedances are qualified as J (estimated) for detections. Results associated with MS recoveries below 10% are qualified as R (rejected) for non-detects and J (estimated) for detects.

All MS/MSD recoveries were within QAPP limits with the exception of those listed in Table 2-6. One SVOC, benzoic acid, has been rejected in two samples, 069SB-0023M-0001-SO and 069SS-0001M-0001-SO, due MS and MSD recoveries less than 10%. For the SVOC analysis of sample 069SS-0001M-0001-SO, the MS recoveries for 4,6-dinitro-2-methylphenol and 4-nitrophenol were within QC limits but the MSD recoveries were less than 10%; therefore, these non-detect sample results were qualified as UJ (non-detect with an estimated reporting limit). SVOC 2,4,6-trichlorophenol was qualified in four samples due to low matrix spike recovery. Two VOCs, vinyl chloride and styrene, were qualified UJ due to low matrix spike recovery. No data were qualified based upon MS/MSD RPDs.

2.10 Field Duplicates

Field duplicate analytical results provide information on the ability to reproduce field results and account for error introduced from handling, shipping, preparing, and analyzing field samples. All field duplicate RPDs were within the QC limits, except for carbon tetrachloride and chloroform. See Table 2-7 for qualified results of the field sample and corresponding field duplicate. See Worksheet 12 for the field duplicate results.

2.11 Laboratory Duplicates

Laboratory duplicate analytical results provide information on the ability to reproduce field results and account for error introduced from preparing and analyzing field samples. Laboratory duplicates are typically performed by the laboratory for some inorganic analyses only. All laboratory duplicate RPDs were within the QC limits, except for thallium in field sample 069SS-0001M-0001-SO. See Table 2-8 for a summary of qualified samples.

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Table 2-6: Matrix Spike/Matrix Spike Duplicate Recoveries

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0023M-0001-SO	11/12/2012	240-17602-1	240-17602-19	Benzoic acid	660	R	MS Recovery < 10%	660 R
069SS-0001M-0001-SO	11/11/2012	240-17525-1	240-17525-1	4,6-Dinitro-2-Methylphenol	750	UJ	MS Recovery < 10%	750 UJ
069SS-0001M-0001-SO	11/11/2012	240-17525-1	240-17525-1	4-Nitrophenol	1700	UJ	MS Recovery < 10%	1700 UJ
069SS-0001M-0001-SO	11/11/2012	240-17525-1	240-17525-1	Benzoic acid	3300	R	MS Recovery < 10%	3300 R
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	2,4,6-Trichlorophenol	190	UJ	MS Recovery -low	190 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4,6-Trichlorophenol	170	UJ	MS Recovery -low	170 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	2,4,6-Trichlorophenol	170	UJ	MS Recovery -low	170 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	2,4,6-Trichlorophenol	170	UJ	MS Recovery -low	170 UJ
VOC (µg/kg)								
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	Carbon Disulfide	220	UJ	MS Recovery -low	220 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Styrene	4.4	UJ	MS Recovery -low	4.4 UJ

Notes:

SDG = Sample Delivery Group

µg/kg = Micrograms per kilogram

UJ = Not Detected, with estimated reporting limit

R = Rejected

SVOC = Semi-volatile Organic Compound

VOC = Volatile Organic Compound

MS = Matrix Spike

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Table 2-7: Field Duplicate Relative Percent Differences

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0051-0001-SO	4/7/2015	240-49085-1	240-49085-23	Carbon Tetrachloride	310	J	Field Duplicate RPD	310 J
069SB-0051-0001-SO	4/7/2015	240-49085-1	240-49085-23	Chloroform	33	J	Field Duplicate RPD	33 J
069SB-0052-0001-SO	4/7/2015	240-49085-1	240-49085-24	Carbon Tetrachloride	130	J	Field Duplicate RPD	130 J
069SB-0052-0001-SO	4/7/2015	240-49085-1	240-49085-24	Chloroform	13	J	Field Duplicate RPD	13 J

Notes:

SDG = Sample Delivery Group
 µg/kg = Micrograms per kilogram
 J = Estimated

RPD = Relative Percent Difference
 VOC = Volatile Organic Compound

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Table 2-8: Laboratory Duplicate Relative Percent Differences

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
Metals (mg/kg)								
069SS-0001M-0001-SO	11/11/2012	240-17525-2	240-17525-1	Thallium	0.23	J	Lab Duplicate RPD	0.23 J

Notes:

SDG = Sample Delivery Group
 mg/kg = Milligrams per kilogram

J = Estimated
 RPD = Relative Percent Difference

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2.12 Dilutions and Re-Analyses

Secondary dilutions are made as required to stay within the calibration range of the analytical method or to overcome matrix issues. Re-analyses are performed as necessary to confirm quality control exceedances in accordance with the method SOP and DoD QSM. Select VOC and SVOC samples were re-analyzed due to quality exceedances.

2.13 Internal Standards

All method using internal calibration must have internal standards spiked into them in accordance with the method SOP and DoD QSM. All applicable internal standards were within method criteria, except for internal standards associated with a select list of VOCs in four VOC samples. Results for one sample presented in Table 2-9, 069SB-0083-0001-SO, are qualified with R. The internal standard qualifier of J/UJ has been changed to an R qualifier as a result of separate data quality issues. See Table 2-9 for qualified data.

2.14 Serial Dilution

Serial dilution for metals analysis may be performed if MS recovery is out of limits and analyte results are greater than 50 times the MRL. Serial dilution percent difference results were within QC limits, except for calcium in sample 069SS-0001M-0001-SO. See Table 2-10 for qualified data.

2.15 Post-Digestion Spike Samples

Post-digestion spiked sample analysis may be performed for metals if a MS recovery is out of limits and analyte results are not greater than 50 time the MRL. Post-digestion spike recoveries were within QC limits.

2.16 Dual-Column Relative Percent Difference

All detected results from dual column methods were confirmed on a second column. Dual column comparisons between the detected explosive, pesticides and PCBs results were made using the identification summary forms. In pesticide sample 069SB-0050-0001-SO, two pesticides, endosulfan sulfate and endrin aldehyde, were qualified as not detected (U) due to dual column RPD greater than 90%, retention time shifts, and the pesticide not being reported on both columns. See Table 2-11 for qualified data results due to dual column relative percent differences.

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Table 2-9: Internal Standard Check

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0044-0001-SO	4/7/2015	240-49085-1	240-49085-16	1,1,2,2-Tetrachloroethane	4.1	UJ	IS Area	4.1 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	1,1,2,2-Tetrachloroethane	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	1,1,2-Trichloroethane	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	1,2-Dibromoethane (EDB)	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	2-Hexanone	19	UJ	IS Area	19 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	4-Methyl-2-pentanone (MIBK)	19	UJ	IS Area	19 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Bromoform	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Chlorobenzene	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Dibromochloromethane	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Ethylbenzene	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Styrene	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Tetrachloroethene (PCE)	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Toluene	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	trans-1,3-Dichloropropene	4.7	UJ	IS Area	4.7 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Xylenes, Total	9.4	UJ	IS Area	9.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	1,1,2,2-Tetrachloroethane	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	1,1,2-Trichloroethane	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	1,2-Dibromoethane (EDB)	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	2-Hexanone	17	UJ	IS Area	17 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	4-Methyl-2-pentanone (MIBK)	17	UJ	IS Area	17 UJ

Table 2-9: Internal Standard Check (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Bromoform	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Chlorobenzene	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Dibromochloromethane	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Ethylbenzene	0.38	J	IS Area	0.38 J
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Styrene	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Tetrachloroethene (PCE)	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Toluene	0.24	J	IS Area	0.24 J
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	trans-1,3-Dichloropropene	4.4	UJ	IS Area	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Xylenes, Total	8.7	UJ	IS Area	8.7 UJ
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,1,2,2-Tetrachloroethane	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,1,2-Trichloroethane	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	1,2-Dibromoethane (EDB)	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	2-Hexanone	26	R	IS Area	26 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	4-Methyl-2-pentanone (MIBK)	26	R	IS Area	26 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Bromoform	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Chlorobenzene	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Dibromochloromethane	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Ethylbenzene	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Styrene	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Tetrachloroethene (PCE)	6.5	R	IS Area	6.5 R

Table 2-9: Internal Standard Check (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Toluene	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	trans-1,3-Dichloropropene	6.5	R	IS Area	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Xylenes, Total	13	R	IS Area	13 R

Notes:

SDG = Sample Delivery Group
 VOC = Volatile Organic Compound
 µg/kg = Micrograms per kilogram

J = Estimated
 UJ = Not Detected, with estimated reporting limit
 IS = Internal Standard

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Table 2-10: Serial Dilution Percent Differences

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
Metals (mg/kg)								
069SS-0001M-0001-SO	11/11/2012	240-17525-2	240-17525-1	Calcium	5300	J	Serial dilution %D	5300 J

Notes:

SDG = Sample Delivery Group
 mg/kg = Milligrams per kilogram

J = Estimated
 %D = Percent Difference

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Table 2-11: Dual Column Relative Percent Differences

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
Pesticides (µg/kg)								
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Endosulfan sulfate	3.5	U	Dual Column RPD*	3.5 U
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Endrin aldehyde	3.5	U	Dual Column RPD*	3.5 U

Notes:

SDG = Sample Delivery Group
 µg/kg = Micrograms per kilogram
 U = Undetected

RPD = Relative Percent Difference
 *Analyte not confirmed on second column

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2.17 Method Reporting Limit Checks

The ability of the laboratory to quantitatively meet the MRL is verified by analyzing pre-analysis and post-analysis MRL check samples. The MRL check criterion is 70-130%. If the MRL % REC is less than 70%, then non-detects are qualified as UJ and detects are qualified as J. If the MRL % REC is greater than 130%, then detects are qualified as J. If the MRL % REC is less than 10%, then non-detects are qualified as R and detects are qualified as J. The MRL check is within limits for all methods with exceptions listed in Table 2-12, which include MRL check sample recoveries below 70% for VOCs and SVOCs, and greater than 130% for select chromium results in four samples. For 15 soil boring samples, the associated MRL % REC for n-nitrosodiphenylamine is less than 10% and data are non-detect; therefore data are qualified as R.

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Table 2-12: Method Reporting Limit Check Recoveries

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
Metals (mg/kg)								
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Chromium	10	J	MRL Recovery - high	10 J
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Chromium	14	J	MRL Recovery - high	14 J
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Chromium	15	J	MRL Recovery - high	15 J
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Chromium	13	J	MRL Recovery - high	13 J
SVOC (µg/kg)								
069SB-0009M-0001-SO	11/12/2012	240-17602-1	240-17602-5	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0010M-0001-SO	11/12/2012	240-17602-1	240-17602-6	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0011M-0001-SO	11/12/2012	240-17602-1	240-17602-7	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0012M-0001-SO	11/12/2012	240-17602-1	240-17602-8	n-Nitrosodiphenylamine	51	R	MRL Recovery < 10%	51 R
069SB-0013M-0001-SO	11/12/2012	240-17602-1	240-17602-9	n-Nitrosodiphenylamine	49	R	MRL Recovery < 10%	49 R
069SB-0014M-0001-SO	11/12/2012	240-17602-1	240-17602-10	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0015M-0001-SO	11/12/2012	240-17602-1	240-17602-11	n-Nitrosodiphenylamine	49	R	MRL Recovery < 10%	49 R
069SB-0016M-0001-SO	11/12/2012	240-17602-1	240-17602-12	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0017M-0001-SO	11/12/2012	240-17602-1	240-17602-13	n-Nitrosodiphenylamine	51	R	MRL Recovery < 10%	51 R
069SB-0018M-0001-SO	11/12/2012	240-17602-1	240-17602-14	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0019M-0001-SO	11/12/2012	240-17602-1	240-17602-15	n-Nitrosodiphenylamine	59	R	MRL Recovery < 10%	59 R
069SB-0020M-0001-SO	11/12/2012	240-17602-1	240-17602-16	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0021M-0001-SO	11/12/2012	240-17602-1	240-17602-17	n-Nitrosodiphenylamine	51	R	MRL Recovery < 10%	51 R
069SB-0022M-0001-SO	11/12/2012	240-17602-1	240-17602-18	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R
069SB-0023M-0001-SO	11/12/2012	240-17602-1	240-17602-19	n-Nitrosodiphenylamine	50	R	MRL Recovery < 10%	50 R

Table 2-12: Method Reporting Limit Check Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
SVOC (µg/kg)								
069SB-0024M-0001-SO	11/12/2012	240-17602-1	240-17602-20	2,4-Dinitrophenol	330	UJ	MRL Recovery - low	330 UJ
069SB-0025M-0001-SO	11/12/2012	240-17602-1	240-17602-21	2,4-Dinitrophenol	330	UJ	MRL Recovery - low	330 UJ
069SB-0026M-0001-SO	11/12/2012	240-17602-1	240-17602-22	2,4-Dinitrophenol	330	UJ	MRL Recovery - low	330 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	2,4-Dinitrophenol	420	UJ	MRL Recovery - low	420 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	4,6-Dinitro-2-methylphenol	190	UJ	MRL Recovery - low	190 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Hexachlorocyclopentadiene	420	UJ	MRL Recovery - low	420 UJ
069SB-0036-0001-SO	4/7/2015	240-49085-2	240-49085-8	Pentachlorophenol	190	UJ	MRL Recovery - low	190 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	2,4-Dinitrophenol	380	UJ	MRL Recovery - low	380 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	4,6-Dinitro-2-methylphenol	170	UJ	MRL Recovery - low	170 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Hexachlorocyclopentadiene	380	UJ	MRL Recovery - low	380 UJ
069SB-0043-0001-SO	4/7/2015	240-49085-2	240-49085-15	Pentachlorophenol	170	UJ	MRL Recovery - low	170 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	2,4-Dinitrophenol	380	UJ	MRL Recovery - low	380 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	4,6-Dinitro-2-methylphenol	170	UJ	MRL Recovery - low	170 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Hexachlorocyclopentadiene	380	UJ	MRL Recovery - low	380 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-2	240-49085-22	Pentachlorophenol	170	UJ	MRL Recovery - low	170 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	2,4-Dinitrophenol	380	UJ	MRL Recovery - low	380 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	4,6-Dinitro-2-methylphenol	170	UJ	MRL Recovery - low	170 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Hexachlorocyclopentadiene	380	UJ	MRL Recovery - low	380 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-2	240-49085-34	Pentachlorophenol	170	UJ	MRL Recovery - low	170 UJ

Table 2-12: Method Reporting Limit Check Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0023M-0001-SO	11/12/2012	240-17602-1	240-17602-19	Methylene Chloride	4.4	UJ	MRL Recovery - low	4.4 UJ
069SB-0025M-0001-SO	11/12/2012	240-17602-1	240-17602-21	Methylene Chloride	4.3	UJ	MRL Recovery - low	4.3 UJ
069SB-0029-0001-SO	4/7/2015	240-49085-1	240-49085-1	trans-1,3-Dichloropropene	220	UJ	MRL Recovery - low	220 UJ
069SB-0031-0001-SO	4/7/2015	240-49085-1	240-49085-3	Acetone	310	J	MRL Recovery - low	310 J
069SB-0032-0001-SO	4/7/2015	240-49085-1	240-49085-4	Acetone	260	J	MRL Recovery - low	260 J
069SB-0033-0001-SO	4/7/2015	240-49085-1	240-49085-5	Acetone	530	J	MRL Recovery - low	530 J
069SB-0034-0001-SO	4/7/2015	240-49085-1	240-49085-6	Acetone	370	J	MRL Recovery - low	370 J
069SB-0035-0001-SO	4/7/2015	240-49085-1	240-49085-7	Acetone	340	J	MRL Recovery - low	340 J
069SB-0036-0001-SO	4/7/2015	240-49085-1	240-49085-8	Acetone	410	J	MRL Recovery - low	410 J
069SB-0037-0001-SO	4/7/2015	240-49085-1	240-49085-9	trans-1,3-Dichloropropene	4.3	UJ	MRL Recovery - low	4.3 UJ
069SB-0038-0001-SO	4/7/2015	240-49085-1	240-49085-10	Acetone	38	J	MRL Recovery - low	38 J
069SB-0038-0001-SO	4/7/2015	240-49085-1	240-49085-10	trans-1,3-Dichloropropene	4.2	UJ	MRL Recovery - low	4.2 UJ
069SB-0039-0001-SO	4/7/2015	240-49085-1	240-49085-11	trans-1,3-Dichloropropene	5.9	UJ	MRL Recovery - low	5.9 UJ
069SB-0040-0001-SO	4/7/2015	240-49085-1	240-49085-12	trans-1,3-Dichloropropene	3.9	UJ	MRL Recovery - low	3.9 UJ
069SB-0041-0001-SO	4/7/2015	240-49085-1	240-49085-13	trans-1,3-Dichloropropene	5.3	UJ	MRL Recovery - low	5.3 UJ
069SB-0042-0001-SO	4/7/2015	240-49085-1	240-49085-14	Acetone	300	J	MRL Recovery - low	300 J
069SB-0043-0001-SO	4/7/2015	240-49085-1	240-49085-15	Acetone	240	J	MRL Recovery - low	240 J
069SB-0044-0001-SO	4/7/2015	240-49085-1	240-49085-16	trans-1,3-Dichloropropene	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0046-0001-SO	4/7/2015	240-49085-1	240-49085-18	trans-1,3-Dichloropropene	4.7	UJ	MRL Recovery - low	4.7 UJ
069SB-0047-0001-SO	4/7/2015	240-49085-1	240-49085-19	trans-1,3-Dichloropropene	4.2	UJ	MRL Recovery - low	4.2 UJ

Table 2-12: Method Reporting Limit Check Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0048-0001-SO	4/7/2015	240-49085-1	240-49085-20	trans-1,3-Dichloropropene	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0049-0001-SO	4/7/2015	240-49085-1	240-49085-21	trans-1,3-Dichloropropene	3.8	UJ	MRL Recovery - low	3.8 UJ
069SB-0050-0001-SO	4/7/2015	240-49085-1	240-49085-22	trans-1,3-Dichloropropene	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0051-0001-SO	4/7/2015	240-49085-1	240-49085-23	Acetone	310	J	MRL Recovery - low	310 J
069SB-0052-0001-SO	4/7/2015	240-49085-1	240-49085-24	Chloroform	13	J	MRL Recovery - low	13 J
069SB-0052-0001-SO	4/7/2015	240-49085-1	240-49085-24	trans-1,3-Dichloropropene	4.7	UJ	MRL Recovery - low	4.7 UJ
069SB-0053-0001-SO	4/7/2015	240-49085-1	240-49085-25	Acetone	320	J	MRL Recovery - low	320 J
069SB-0057-0001-SO	4/7/2015	240-49085-1	240-49085-29	trans-1,3-Dichloropropene	5.1	UJ	MRL Recovery - low	5.1 UJ
069SB-0058-0001-SO	4/7/2015	240-49085-1	240-49085-30	trans-1,3-Dichloropropene	4.2	UJ	MRL Recovery - low	4.2 UJ
069SB-0059-0001-SO	4/7/2015	240-49085-1	240-49085-31	trans-1,3-Dichloropropene	5.1	UJ	MRL Recovery - low	5.1 UJ
069SB-0060-0001-SO	4/7/2015	240-49085-1	240-49085-32	trans-1,3-Dichloropropene	4.4	UJ	MRL Recovery - low	4.4 UJ
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	Chloroform	3.6	J	MRL Recovery - low	3.6 J
069SB-0062-0001-SO	4/7/2015	240-49085-1	240-49085-34	trans-1,3-Dichloropropene	4.7	UJ	MRL Recovery - low	4.7 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	Dibromochloromethane	4.4	UJ	MRL Recovery - low	4.4 UJ
069SB-0069-0001-SO	4/29/2015	240-50056-1	240-50056-5	trans-1,3-Dichloropropene	4.4	UJ	MRL Recovery - low	4.4 UJ
069SB-0070-0001-SO	4/29/2015	240-50056-1	240-50056-7	Methylene Chloride	3.8	J	MRL Recovery - low	3.8 J
069SB-0071-0001-SO	4/29/2015	240-50056-1	240-50056-8	Methylene Chloride	6.0	J	MRL Recovery - low	6.0 J
069SB-0072-0001-SO	4/29/2015	240-50056-1	240-50056-9	Methylene Chloride	2.2	J	MRL Recovery - low	2.2 J
069SB-0073-0001-SO	4/29/2015	240-50056-1	240-50056-10	Methylene Chloride	3.1	J	MRL Recovery - low	3.1 J
069SB-0074-0001-SO	4/29/2015	240-50056-1	240-50056-11	Methylene Chloride	4.0	J	MRL Recovery - low	4.0 J

Table 2-12: Method Reporting Limit Check Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0075-0001-SO	4/29/2015	240-50056-1	240-50056-12	Methylene Chloride	3.0	J	MRL Recovery - low	3.0 J
069SB-0076-0001-SO	4/29/2015	240-50056-1	240-50056-13	Methylene Chloride	10	J	MRL Recovery - low	10 J
069SB-0077-0001-SO	4/29/2015	240-50056-1	240-50056-17	Dibromochloromethane	4.7	UJ	MRL Recovery - low	4.7 UJ
069SB-0077-0001-SO	4/29/2015	240-50056-1	240-50056-17	trans-1,3-Dichloropropene	4.7	UJ	MRL Recovery - low	4.7 UJ
069SB-0078-0001-SO	4/29/2015	240-50056-1	240-50056-18	Dibromochloromethane	4.6	UJ	MRL Recovery - low	4.6 UJ
069SB-0078-0001-SO	4/29/2015	240-50056-1	240-50056-18	trans-1,3-Dichloropropene	4.6	UJ	MRL Recovery - low	4.6 UJ
069SB-0079-0001-SO	4/29/2015	240-50056-1	240-50056-19	Dibromochloromethane	4.4	UJ	MRL Recovery - low	4.4 UJ
069SB-0079-0001-SO	4/29/2015	240-50056-1	240-50056-19	trans-1,3-Dichloropropene	4.4	UJ	MRL Recovery - low	4.4 UJ
069SB-0080-0001-SO	4/29/2015	240-50056-1	240-50056-20	Dibromochloromethane	4.0	UJ	MRL Recovery - low	4.0 UJ
069SB-0080-0001-SO	4/29/2015	240-50056-1	240-50056-20	trans-1,3-Dichloropropene	4.0	UJ	MRL Recovery - low	4.0 UJ
069SB-0081-0001-SO	4/29/2015	240-50056-1	240-50056-21	Dibromochloromethane	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0081-0001-SO	4/29/2015	240-50056-1	240-50056-21	trans-1,3-Dichloropropene	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	Dibromochloromethane	4.4	R	MRL Recovery - low	4.4 R
069SB-0082-0001-SO	4/29/2015	240-50056-1	240-50056-22	trans-1,3-Dichloropropene	4.4	R	MRL Recovery - low	4.4 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	Dibromochloromethane	6.5	R	MRL Recovery - low	6.5 R
069SB-0083-0001-SO	4/29/2015	240-50056-1	240-50056-23	trans-1,3-Dichloropropene	6.5	R	MRL Recovery - low	6.5 R
069SB-0084-0001-SO	4/29/2015	240-50056-1	240-50056-24	Dibromochloromethane	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0084-0001-SO	4/29/2015	240-50056-1	240-50056-24	trans-1,3-Dichloropropene	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0085-0001-SO	4/29/2015	240-50056-1	240-50056-25	Dibromochloromethane	4.3	UJ	MRL Recovery - low	4.3 UJ
069SB-0085-0001-SO	4/29/2015	240-50056-1	240-50056-25	trans-1,3-Dichloropropene	4.3	UJ	MRL Recovery - low	4.3 UJ

Table 2-12: Method Reporting Limit Check Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/kg)								
069SB-0086-0001-SO	4/29/2015	240-50056-1	240-50056-26	Dibromochloromethane	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0086-0001-SO	4/29/2015	240-50056-1	240-50056-26	trans-1,3-Dichloropropene	4.1	UJ	MRL Recovery - low	4.1 UJ
069SB-0087-0001-SO	4/29/2015	240-50056-1	240-50056-27	Dibromochloromethane	4.0	UJ	MRL Recovery - low	4.0 UJ
069SB-0087-0001-SO	4/29/2015	240-50056-1	240-50056-27	trans-1,3-Dichloropropene	4.0	UJ	MRL Recovery - low	4.0 UJ
VOC (µg/L)								
069SB-0027-0001-TB	11/12/2012	240-17602-1	240-17602-23	Acetone	10	UJ	MRL Recovery - low	10 UJ
069SB-0028-0001-TB	11/12/2012	240-17602-1	240-17602-24	Acetone	10	UJ	MRL Recovery - low	10 UJ
069SB-0063-0001-TB	4/7/2015	240-49085-1	240-49085-35	Bromoform	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0063-0001-TB	4/7/2015	240-49085-1	240-49085-35	cis-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0063-0001-TB	4/7/2015	240-49085-1	240-49085-35	Dibromochloromethane	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0063-0001-TB	4/7/2015	240-49085-1	240-49085-35	Methylene Chloride	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0063-0001-TB	4/7/2015	240-49085-1	240-49085-35	trans-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0064-0001-TB	4/7/2015	240-49085-1	240-49085-36	Bromoform	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0064-0001-TB	4/7/2015	240-49085-1	240-49085-36	cis-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0064-0001-TB	4/7/2015	240-49085-1	240-49085-36	Dibromochloromethane	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0064-0001-TB	4/7/2015	240-49085-1	240-49085-36	Methylene Chloride	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0064-0001-TB	4/7/2015	240-49085-1	240-49085-36	trans-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0065-0001-TB	4/7/2015	240-49085-1	240-49085-37	Bromoform	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0065-0001-TB	4/7/2015	240-49085-1	240-49085-37	cis-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0065-0001-TB	4/7/2015	240-49085-1	240-49085-37	Dibromochloromethane	1.0	UJ	MRL Recovery - low	1.0 UJ

Table 2-12: Method Reporting Limit Check Recoveries (Continued)

Sample Identification	Date Sampled	SDG	Lab Number	Parameter	Lab Result	Data Review Qualifier	Comments	Final Result
VOC (µg/L)								
069SB-0065-0001-TB	4/7/2015	240-49085-1	240-49085-37	Methylene Chloride	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0065-0001-TB	4/7/2015	240-49085-1	240-49085-37	trans-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0066-0001-TB	4/7/2015	240-49085-1	240-49085-38	Bromoform	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0066-0001-TB	4/7/2015	240-49085-1	240-49085-38	cis-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0066-0001-TB	4/7/2015	240-49085-1	240-49085-38	Dibromochloromethane	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0066-0001-TB	4/7/2015	240-49085-1	240-49085-38	Methylene Chloride	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0066-0001-TB	4/7/2015	240-49085-1	240-49085-38	trans-1,3-Dichloropropene	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0088-0001-TB	4/29/2015	240-50056-1	240-50056-14	Methylene Chloride	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0089-0001-TB	4/29/2015	240-50056-1	240-50056-15	Methylene Chloride	1.0	UJ	MRL Recovery - low	1.0 UJ
069SB-0090-0001-RB	4/30/2015	240-50056-1	240-50056-16	Methylene Chloride	1.0	UJ	MRL Recovery - low	1.0 UJ

Notes:

SDG = Sample Delivery Group
 SVOC = Semi-volatile Organic Compound
 VOC = Volatile Organic Compound
 µg/kg = Micrograms per kilogram
 µg/L = Micrograms per liter
 TB = Trip Blank

RB = Rinsate
 J = Estimated
 R = Rejected
 UJ = Not Detected, with estimated reporting limit
 MRL = Method Reporting Limit

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3.0 OVERALL ASSESSMENT

The following subsections present the field completeness, analytical completeness, and project completeness determinations for this project.

3.1 Field Completeness

Field completeness for sample collection was assessed by comparing the number of sample points sampled to the number of sample points planned for collection in accordance with FWQAPP Section 13.1. All planned samples were collected per the Work Plan (ECC 2012a) during the November 2012 sampling event. An additional sample was collected for SVOCs, metals, and VOCs; therefore, field completeness was over 100% during the 2012 sampling event. In 2015, additional soil samples were collected. See Table 3-1 for a summary of field completeness.

3.2 Analytical Completeness

Analytical completeness was assessed by comparing the number of valid (analytes that have not been rejected) laboratory analyte measurements performed to the number of laboratory analyte measurements planned. Analytical completeness was 100% for all analytes except for two VOC samples and select SVOCs. See Table 3-2 for a summary of analytical completeness. Samples 069SB-0082-0001-SO and duplicate 069SB-0083-0001-SO VOC results were qualified as R based upon surrogate recoveries below 10%. VOC analytical completeness is 97.6%. SVOC benzoic acid data were qualified as R in 6 samples due to LCS or MS recoveries below 10%. SVOC n-nitrosodiphenylamine data were qualified as R in 15 samples due to MRL recoveries below 10%. SVOC analytical completeness is 98.9%.

3.3 Project Completeness

Project completeness combines sampling and analytical protocols to assess the expectations of the project as a whole. Project completeness is determined by comparing the percentage of samples/measurements that are determined to be usable to the total number of samples/measurements planned. Project completeness is calculated using the field completeness and analytical completeness (quality data completeness) percentages. Project completeness percentages for VOCs was 98.8%, with over 100% for SVOCs and metals due to an additional sample collected. All field characterization samples and valid analytical results met the project completeness goal of 90%. See Table 3-3 for the project completeness results.

3.4 Data Usability

The overall quality of the CC RVAAP-69 Building 1048 Fire Station Remedial Investigation (RI) information meets or exceeds the established project objectives. Through proper implementation of the project data verification and assessment process, 98.4% of the project information has been determined to be acceptable for use.

Data are usable as qualified J, U, or UJ. VOC data for samples 069SB-0082-0001-SO and duplicate 069SB-0083-0001-SO (totaling 72 compounds) were qualified as R due to surrogate recoveries below 10%, as noted in section 2.7. See Table 2-4 for sample results rejected due to surrogate recoveries. Select SVOCs (6 benzoic acid and 15 n-nitrosodiphenylamine results) were qualified as R due to LCS, MS, or MRL recoveries below 10%, as noted in Section 3.2. See Tables 2-5, 2-6, and 2-9 for sample results rejected due to LCS, MS, or MRL Check recoveries, respectively.

Data that have been estimated provide indications of either accuracy, precision, or sensitivity being less than desired but adequate for interpretation. All undetected analytes were reported at detection levels that were adequate for use during data interpretation and statistical applications. Qualifiers have been applied to data as appropriate. All results with final qualifiers are presented in Appendix G.

Data produced for this project demonstrate they can withstand scientific scrutiny; are appropriate for its intended purpose; are technically defensible; and are of known and acceptable sensitivity, precision, and accuracy. Data integrity has been documented through proper implementation of quality assurance (QA) and QC measures. A third-party QA data validation report was completed for the 2012 data set, which is in general concurrence with the data verification findings, and that report is provided in Appendix H. Select analytes had reporting limits greater than FWQAPP requirements, as documented in the DVRWs, but the data with elevated limits are still usable. The environmental information presented has an established confidence that allows utilization for the project objectives and provides data for future needs.

Table 3-1: Field Completeness Summary¹

	VOC/MTBE	SVOC	TAL Metals	PCB	Pesticides	Explosives	Propellants ²
Collected Field Samples	83	30	30	6	6	6	6
Planned Field Samples	82	29	29	6	6	6	6
% Complete	101.2	103.5	103.5	100	100	100	100

Table 3-2: Analytical Completeness Summary

	VOC/MTBE	SVOC	TAL Metals	PCB	Pesticides	Explosives	Propellants ²
Valid Analytes	2916	1959	690	42	126	90	18
Collected Analytes	2988	1980	690	42	126	90	18
% Complete	97.6	98.9	100	100	100	100	100

Table 3-3: Project Completeness Summary

	VOC/MTBE	SVOC	TAL Metals	PCB	Pesticides	Explosives	Propellants ²
Valid Analytes	2916	1959	690	42	126	90	18
Planned Analytes	2952	1914	667	42	126	90	18
% Complete	98.8	102.4	103.5	100	100	100	100

Notes for Table 3-1, 3-2, and 3-3:

- 1) Only field samples are included in completeness tally
 - 2) Nitroglycerin counted for completeness as an explosive
- VOC = Volatile Organic Compound
 MTBE = Methyl Tertiary-Butyl Ether

SVOC = Semi-volatile Organic Compound
 PCB = Polychlorinated Biphenyl
 TAL = Target Analyte List
 Propellants include nitroguanidine, nitrocellulose, and nitroglycerin.

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4.0 REFERENCES

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WORKSHEETS

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WORKSHEET 1

Automated Data Review Summary for 240-17477-1 (includes 17525-1 data)

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Facility: Ravenna Army Ammunition Plant

Event: Fall 2012 SI/RI Sampling

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Otis Ang Base, MA

Data Review Contractor: ECC

SDG: 240-17477-1_(68,69,79-SW,SS), Certified - 3/4/2013 by FrederickRoche

QC Level: ADR

Project Manager:

Data Reviewer: Samir A. Naguib

Data Reviewer Title: Sr. QA Chemist

Date of Review Report: April 05, 2013

Samples Included in SDG 240-17477-1_(68,69,79-SW,SS)

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
E353.2/NONE	2		2	
SW6020/NONE	2	3	1	1
SW7470A/NONE		3		1
SW7471A/NONE	5		2	
SW8081/NONE	2		2	
SW8082/NONE	2	3	2	1
SW8260B/NONE	4	1	2	0

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW8270C/NONE	4	3	2	1
SW8330B/NONE	2		2	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Otis Ang Base, MA; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-17477-1_(68,69,79-SW,SS). Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Field Duplicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Field Blank

Initial Calibration Verification

Lab Replicate RPD

LCS RPD

Material Blank

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 87 results (6.75%) out of the 1288 results (sample and field QC samples) reported are qualified based on review and 3 results (0.23%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
E353.2	
SW6020	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

SW7470A	
SW7471A	
SW8081	
SW8082	
SW8260B	
SW8270C	
SW8330B	

05-Apr-2013

Reviewed by Samir A. Naguib, Sr. QA Chemist

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreeec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreeec C.
Y1	False Positive
Y2	Data rejected due to radiological anomalies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: E353.2; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6863	6824	NA	LABQC	SQ	LABQC	MB 320-6800/1-B		1/1	04-Dec-2012 7:05 AM	04-Dec-2012 7:05 AM	04-Dec-2012 2:12 PM	LB
	6824	NA	LABQC	SQ	LABQC	LCS 320-6800/2-B		1/1	04-Dec-2012 7:05 AM	04-Dec-2012 7:05 AM	04-Dec-2012 2:14 PM	BS
	6824	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	04-Dec-2012 7:05 AM	04-Dec-2012 2:48 PM	N
	6824	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	04-Dec-2012 7:05 AM	04-Dec-2012 2:58 PM	MS
	6824	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	04-Dec-2012 7:05 AM	04-Dec-2012 3:00 PM	SD
	6824	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/1	09-Nov-2012 11:10 AM	04-Dec-2012 7:05 AM	04-Dec-2012 3:02 PM	FD
	6824	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	04-Dec-2012 7:05 AM	04-Dec-2012 3:04 PM	N
	6824	NA	LABQC	SO	069SS-0001M-0002-SO	240-17525-1		1/1	04-Dec-2012 7:05 AM	04-Dec-2012 7:05 AM	04-Dec-2012 3:06 PM	MS
	6824	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	04-Dec-2012 7:05 AM	04-Dec-2012 3:08 PM	SD
	6824	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		1/1	11-Nov-2012 9:15 AM	04-Dec-2012 7:05 AM	04-Dec-2012 3:10 PM	FD

Test Method: SW6020; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66205	65198	NA	LABQC	SQ	LABQC	MB 240-65198/1-A		1/1	15-Nov-2012 12:19 PM	15-Nov-2012 12:19 PM	23-Nov-2012 3:10 PM	LB
	65198	NA	LABQC	SQ	LABQC	LCS 240-65198/2-A		1/1	15-Nov-2012 12:19 PM	15-Nov-2012 12:19 PM	23-Nov-2012 3:15 PM	BS
	65198	NA	79-80TF-DU1-SS	SO	079SS-0003M-0001-SO	240-17477-5		1/1	09-Nov-2012 12:10 AM	15-Nov-2012 12:19 PM	23-Nov-2012 5:54 PM	N
	65198	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 12:26 PM	23-Nov-2012 5:59 PM	N
	65198	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 12:26 PM	23-Nov-2012 6:16 PM	MS
	65198	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 12:26 PM	23-Nov-2012 6:21 PM	SD

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW6020; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66205	65198	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 12:26 PM	23-Nov-2012 6:28 PM	FD
68088	65311	NA	LABQC	WQ	LABQC	MB 240-65311/1-A		1/1	16-Nov-2012 9:08 AM	16-Nov-2012 9:08 AM	10-Dec-2012 10:54 AM	LB
	65311	NA	LABQC	WQ	LABQC	LCS 240-65311/2-A		1/1	16-Nov-2012 9:08 AM	16-Nov-2012 9:08 AM	10-Dec-2012 10:59 AM	BS
	65311	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	16-Nov-2012 9:08 AM	10-Dec-2012 11:38 AM	N
	65311	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	16-Nov-2012 9:08 AM	10-Dec-2012 11:38 AM	MS
	65311	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	16-Nov-2012 9:08 AM	10-Dec-2012 11:43 AM	N
	65311	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	16-Nov-2012 9:08 AM	10-Dec-2012 11:43 AM	MS
	65311	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	16-Nov-2012 9:08 AM	10-Dec-2012 11:48 AM	SD
	65311	NA	68-SS3-SW	WS	068SW-0013-0001-SW	240-17477-1		1/1	08-Nov-2012 2:00 PM	16-Nov-2012 9:08 AM	10-Dec-2012 12:19 PM	N
	65311	NA	68-SS3-SW3	WS	068SW-0014-0001-SW	240-17477-2		1/1	08-Nov-2012 1:25 PM	16-Nov-2012 9:08 AM	10-Dec-2012 12:24 PM	FD
	65311	NA	68-SS3-SW2	WS	068SW-0015-0001-SW	240-17477-3		1/1	08-Nov-2012 1:40 PM	16-Nov-2012 9:08 AM	10-Dec-2012 12:29 PM	N

Test Method: SW7470A; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66485	66219	NA	LABQC	WQ	LABQC	MB 240-66219/1-A		1/1	26-Nov-2012 3:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 3:50 PM	LB
	66219	NA	LABQC	WQ	LABQC	LCS 240-66219/2-A		1/1	26-Nov-2012 3:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 3:57 PM	BS
	66219	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 4:09 PM	N
	66219	NA	68-SS3-SW2	WS	068SW-0015-0001-SW	240-17477-3		1/1	08-Nov-2012 1:40 PM	26-Nov-2012 3:25 PM	27-Nov-2012 4:11 PM	N
	66219	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 4:16 PM	MS

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW7470A; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66485	66219	NA	68-SS3-SW3	WS	068SW-0014-0001-SW	240-17477-2		1/1	08-Nov-2012 1:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 4:19 PM	FD
	66219	NA	68-SS3-SW	WS	068SW-0013-0001-SW	240-17477-1		1/1	08-Nov-2012 2:00 PM	26-Nov-2012 3:25 PM	27-Nov-2012 4:26 PM	N
	66219	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 4:40 PM	SD

Test Method: SW7471A; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
65450	65204	NA	LABQC	SQ	LABQC	MB 240-65204/1-A		1/1	15-Nov-2012 2:40 PM	15-Nov-2012 2:40 PM	16-Nov-2012 6:59 PM	LB
	65204	NA	LABQC	SQ	LABQC	LCS 240-65204/2-A		1/1	15-Nov-2012 2:40 PM	15-Nov-2012 2:40 PM	16-Nov-2012 7:00 PM	BS
	65204	NA	79-80TF-DU1-SS	SO	079SS-0003M-0001-SO	240-17477-5		1/1	09-Nov-2012 12:10 AM	15-Nov-2012 2:40 PM	16-Nov-2012 7:42 PM	N
	65204	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 2:40 PM	16-Nov-2012 7:44 PM	N
	65204	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 2:40 PM	16-Nov-2012 7:45 PM	MS
	65204	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 2:40 PM	16-Nov-2012 7:46 PM	SD
	65204	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/1	09-Nov-2012 11:10 AM	15-Nov-2012 2:40 PM	16-Nov-2012 7:48 PM	FD
67078	65780	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:03 PM	MS
	65780	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:04 PM	SD
	65780	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:06 PM	N
	65780	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:22 PM	FD
	65780	NA	69-1048-DU2-SS	SO	069SS-0003M-0001-SO	240-17525-3		1/1	11-Nov-2012 10:15 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:30 PM	N
	65780	NA	69-1048-DU3-SS	SO	069SS-0004M-0001-SO	240-17525-4		1/1	11-Nov-2012 9:50 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:38 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8081; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66500	65759	NA	LABQC	SQ	LABQC	LCS 240-65759/18-A		1/1	20-Nov-2012 11:21 AM	20-Nov-2012 11:21 AM	28-Nov-2012 3:36 PM	BS
	65759	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/10	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	28-Nov-2012 8:43 PM	FD
	65759	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/20	11-Nov-2012 9:15 AM	20-Nov-2012 11:21 AM	28-Nov-2012 9:11 PM	N
	65759	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/20	11-Nov-2012 9:15 AM	20-Nov-2012 11:21 AM	28-Nov-2012 9:38 PM	MS
	65759	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/20	11-Nov-2012 9:15 AM	20-Nov-2012 11:21 AM	28-Nov-2012 9:38 PM	SD
	65759	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/20	11-Nov-2012 9:15 AM	20-Nov-2012 11:21 AM	28-Nov-2012 10:06 PM	MS
	65759	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/20	11-Nov-2012 9:15 AM	20-Nov-2012 11:21 AM	28-Nov-2012 10:06 PM	SD
	65759	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		1/10	11-Nov-2012 9:15 AM	20-Nov-2012 11:21 AM	28-Nov-2012 10:34 PM	FD
	65759	NA	LABQC	SQ	LABQC	MB 240-65759/17-A		1/1	20-Nov-2012 11:21 AM	20-Nov-2012 11:21 AM	29-Nov-2012 12:47 AM	LB
66829	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 6:30 PM	MS
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 6:30 PM	N
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 6:30 PM	SD
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 6:57 PM	MS
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 6:57 PM	N
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 6:57 PM	SD
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 7:24 PM	MS
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 7:24 PM	N
	65759	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/50	09-Nov-2012 11:10 AM	20-Nov-2012 11:21 AM	29-Nov-2012 7:24 PM	SD

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8082; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
65363	64779	NA	LABQC	WQ	LABQC	MB 240-64779/13-A		1/1	13-Nov-2012 9:55 AM	13-Nov-2012 9:55 AM	18-Nov-2012 5:27 PM	LB
	64779	NA	68-SS3-SW	WS	068SW-0013-0001-SW	240-17477-1		1/1	08-Nov-2012 2:00 PM	13-Nov-2012 9:55 AM	18-Nov-2012 5:57 PM	N
	64779	NA	68-SS3-SW3	WS	068SW-0014-0001-SW	240-17477-2		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 6:12 PM	FD
	64779	NA	68-SS3-SW2	WS	068SW-0015-0001-SW	240-17477-3		1/1	08-Nov-2012 1:40 PM	13-Nov-2012 9:55 AM	18-Nov-2012 6:27 PM	N
	64779	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 6:42 PM	N
	64779	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 6:42 PM	MS
	64779	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 6:42 PM	SD
	64779	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 6:57 PM	N
	64779	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 6:57 PM	MS
	64779	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 7:12 PM	MS
	64779	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	13-Nov-2012 9:55 AM	18-Nov-2012 7:12 PM	SD
	64779	NA	LABQC	WQ	LABQC	LCS 240-64779/14-A		1/1	13-Nov-2012 9:55 AM	13-Nov-2012 9:55 AM	18-Nov-2012 7:27 PM	BS
66323	65753	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	20-Nov-2012 11:06 AM	27-Nov-2012 5:06 AM	N
	65753	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	20-Nov-2012 11:06 AM	27-Nov-2012 5:06 AM	SD
	65753	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	20-Nov-2012 11:06 AM	27-Nov-2012 5:21 AM	MS
	65753	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	20-Nov-2012 11:06 AM	27-Nov-2012 5:21 AM	N
	65753	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	20-Nov-2012 11:06 AM	27-Nov-2012 5:35 AM	MS
	65753	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	20-Nov-2012 11:06 AM	27-Nov-2012 5:35 AM	SD

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8082; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66323	65753	NA	LABQC	SQ	LABQC	MB 240-65753/23-A		1/1	20-Nov-2012 11:06 AM	20-Nov-2012 11:06 AM	27-Nov-2012 5:50 AM	LB
	65753	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/1	09-Nov-2012 11:10 AM	20-Nov-2012 11:06 AM	27-Nov-2012 6:20 AM	FD
	65753	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 6:35 AM	N
	65753	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 6:35 AM	SD
	65753	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 6:50 AM	N
	65753	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 6:50 AM	MS
	65753	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 6:50 AM	SD
	65753	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 7:05 AM	MS
	65753	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 7:05 AM	SD
	65753	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 11:06 AM	27-Nov-2012 7:20 AM	FD
	65753	NA	LABQC	SQ	LABQC	LCS 240-65753/24-A		1/1	20-Nov-2012 11:06 AM	20-Nov-2012 11:06 AM	27-Nov-2012 8:35 AM	BS

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
65171	NA	NA	LABQC	SQ	LABQC	LCS 240-65171/7		1/1	15-Nov-2012 1:03 PM		15-Nov-2012 1:03 PM	BS
	NA	NA	LABQC	SQ	LABQC	MB 240-65171/8		1/1	15-Nov-2012 1:25 PM		15-Nov-2012 1:25 PM	LB
65336	NA	NA	LABQC	SQ	LABQC	LCS 240-65336/7		1/1	16-Nov-2012 2:20 PM		16-Nov-2012 2:20 PM	BS
	NA	NA	LABQC	SQ	LABQC	MB 240-65336/8		1/1	16-Nov-2012 2:41 PM		16-Nov-2012 2:41 PM	LB
65171	64955	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	09-Nov-2012 8:15 PM	15-Nov-2012 7:10 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
65171	64955	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	09-Nov-2012 8:15 PM	15-Nov-2012 7:31 PM	MS
	64955	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	09-Nov-2012 8:15 PM	15-Nov-2012 7:31 PM	SD
	64955	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	09-Nov-2012 8:15 PM	15-Nov-2012 7:53 PM	MS
	64955	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	09-Nov-2012 8:15 PM	15-Nov-2012 7:53 PM	SD
65336	64955	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/1	09-Nov-2012 11:10 AM	09-Nov-2012 8:15 PM	16-Nov-2012 8:05 PM	FD
66014	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:35 AM	N
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:35 AM	MS
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:35 AM	SD
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:57 AM	N
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:57 AM	MS
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:57 AM	SD
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 2:18 AM	N
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 2:18 AM	MS
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 2:18 AM	SD
	65667	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		1/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 2:39 AM	FD
	65667	NA	69-1048-DU2-SS	SO	069SS-0003M-0001-SO	240-17525-3		1/1	11-Nov-2012 10:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 3:01 AM	N
	65667	NA	69-1048-DU3-SS	SO	069SS-0004M-0001-SO	240-17525-4		1/1	11-Nov-2012 9:50 AM	13-Nov-2012 8:15 AM	22-Nov-2012 3:22 AM	N
66020	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 11:52 AM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66020	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 12:14 PM	MS
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 12:14 PM	SD
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 12:35 PM	MS
	65667	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 12:35 PM	SD
	65667	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		2/1	11-Nov-2012 9:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 12:57 PM	FD
	65667	NA	69-1048-DU2-SS	SO	069SS-0003M-0001-SO	240-17525-3		2/1	11-Nov-2012 10:15 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:19 PM	N
	65667	NA	69-1048-DU3-SS	SO	069SS-0004M-0001-SO	240-17525-4		2/1	11-Nov-2012 9:50 AM	13-Nov-2012 8:15 AM	22-Nov-2012 1:40 PM	N
64831	64831	NA	LABQC	WQ	LABQC	LCS 240-64831/4		1/1	13-Nov-2012 12:10 PM	13-Nov-2012 12:10 PM	13-Nov-2012 12:10 PM	BS
	64831	NA	LABQC	WQ	LABQC	MB 240-64831/6		1/1	13-Nov-2012 12:55 PM	13-Nov-2012 12:55 PM	13-Nov-2012 12:55 PM	LB
	64831	NA	79-80TF-DU2-SS	WG	079SS-0006-0001-TB	240-17477-8		1/1	09-Nov-2012 8:00 AM	13-Nov-2012 3:05 PM	13-Nov-2012 3:05 PM	N

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
65294	64920	NA	LABQC	WQ	LABQC	MB 240-64920/23-A		1/1	14-Nov-2012 8:33 AM	14-Nov-2012 8:33 AM	16-Nov-2012 10:21 AM	LB
	64920	NA	LABQC	WQ	LABQC	LCS 240-64920/24-A		1/1	14-Nov-2012 8:33 AM	14-Nov-2012 8:33 AM	16-Nov-2012 10:40 AM	BS
	64920	NA	68-SS3-SW	WS	068SW-0013-0001-SW	240-17477-1		1/1	08-Nov-2012 2:00 PM	14-Nov-2012 8:33 AM	16-Nov-2012 1:11 PM	N
	64920	NA	68-SS3-SW3	WS	068SW-0014-0001-SW	240-17477-2		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 1:30 PM	FD
	64920	NA	68-SS3-SW2	WS	068SW-0015-0001-SW	240-17477-3		1/1	08-Nov-2012 1:40 PM	14-Nov-2012 8:33 AM	16-Nov-2012 1:49 PM	N
	64920	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:08 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
65294	64920	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:08 PM	MS
	64920	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:08 PM	SD
	64920	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:27 PM	N
	64920	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:27 PM	MS
	64920	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:27 PM	SD
	64920	NA	68-SS3-SW3	WS	068SW-0016-0001-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:46 PM	N
	64920	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:46 PM	MS
	64920	NA	68-SS3-SW3	WS	068SW-0016-0002-SW	240-17477-4		1/1	08-Nov-2012 1:25 PM	14-Nov-2012 8:33 AM	16-Nov-2012 2:46 PM	SD
66529	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:09 AM	N
	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:09 AM	SD
	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:32 AM	N
	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:32 AM	MS
	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:32 AM	SD
	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:55 AM	N
	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:55 AM	MS
	65931	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/5	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 10:55 AM	SD
	65931	NA	69-1048-DU3-SS	SO	069SS-0004M-0001-SO	240-17525-4		1/4	11-Nov-2012 9:50 AM	21-Nov-2012 11:29 AM	28-Nov-2012 12:52 PM	N
	65931	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		1/4	11-Nov-2012 9:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 1:15 PM	FD

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66529	65931	NA	69-1048-DU2-SS	SO	069SS-0003M-0001-SO	240-17525-3		1/4	11-Nov-2012 10:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 1:38 PM	N
67070	65933	NA	LABQC	SQ	LABQC	MB 240-65933/23-A		1/1	21-Nov-2012 11:36 AM	21-Nov-2012 11:36 AM	03-Dec-2012 4:43 PM	LB
	65933	NA	LABQC	SQ	LABQC	LCS 240-65933/24-A		1/1	21-Nov-2012 11:36 AM	21-Nov-2012 11:36 AM	03-Dec-2012 5:08 PM	BS
	65933	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 5:34 PM	FD
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 5:59 PM	MS
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 5:59 PM	N
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 5:59 PM	SD
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 6:24 PM	MS
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 6:24 PM	N
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 6:24 PM	SD
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 6:50 PM	MS
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 6:50 PM	N
	65933	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 11:36 AM	03-Dec-2012 6:50 PM	SD
67729	67436	NA	LABQC	SQ	LABQC	MB 240-67436/23-A		1/1	05-Dec-2012 10:50 AM	05-Dec-2012 10:50 AM	07-Dec-2012 2:08 PM	LB
	67436	NA	LABQC	SQ	LABQC	LCS 240-67436/24-A		1/1	05-Dec-2012 10:50 AM	05-Dec-2012 10:50 AM	07-Dec-2012 2:33 PM	BS
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:03 PM	MS
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:03 PM	N
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:03 PM	SD

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67729	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:28 PM	MS
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:28 PM	N
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:28 PM	SD
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:53 PM	MS
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:53 PM	N
	67436	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 5:53 PM	SD
	67436	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		2/1	09-Nov-2012 11:10 AM	05-Dec-2012 10:50 AM	07-Dec-2012 6:18 PM	FD

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6611	6242	NA	LABQC	SQ	LABQC	MB 320-6242/1-A		1/1	21-Nov-2012 2:38 PM	21-Nov-2012 2:38 PM	29-Nov-2012 5:24 PM	LB
	6242	NA	LABQC	SQ	LABQC	LCS 320-6242/2-A		1/1	21-Nov-2012 2:38 PM	21-Nov-2012 2:38 PM	29-Nov-2012 5:38 PM	BS
	6242	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 2:38 PM	29-Nov-2012 5:53 PM	N
	6242	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 2:38 PM	29-Nov-2012 6:07 PM	MS
	6242	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 2:38 PM	29-Nov-2012 6:36 PM	SD
	6242	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		1/1	09-Nov-2012 11:10 AM	21-Nov-2012 2:38 PM	29-Nov-2012 6:50 PM	FD
	6242	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	21-Nov-2012 2:38 PM	29-Nov-2012 7:19 PM	MS
	6242	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	21-Nov-2012 2:38 PM	29-Nov-2012 7:33 PM	SD
	6242	NA	69-1048-DU1-SS	SO	069SS-0002M-0001-SO	240-17525-2		1/1	11-Nov-2012 9:15 AM	21-Nov-2012 2:38 PM	29-Nov-2012 7:47 PM	FD

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6629	6242	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	21-Nov-2012 2:38 PM	30-Nov-2012 11:21 AM	N
6640	6245	NA	LABQC	SQ	LABQC	MB 320-6245/1-A		1/1	21-Nov-2012 3:09 PM	21-Nov-2012 3:09 PM	01-Dec-2012 11:13 AM	LB
	6245	NA	LABQC	SQ	LABQC	LCS 320-6245/2-A		1/1	21-Nov-2012 3:09 PM	21-Nov-2012 3:09 PM	01-Dec-2012 11:53 AM	BS
	6245	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 12:33 PM	MS
	6245	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 12:33 PM	N
	6245	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 1:13 PM	MS
	6245	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 1:13 PM	N
	6245	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 1:13 PM	SD
	6245	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 1:53 PM	MS
	6245	NA	79-80TF-DU2-SS	SO	079SS-0004M-0001-SO	240-17477-6		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 1:53 PM	SD
	6245	NA	79-80TF-DU2-SS	SO	079SS-0005M-0001-SO	240-17477-7		2/1	09-Nov-2012 11:10 AM	21-Nov-2012 3:09 PM	01-Dec-2012 2:33 PM	FD
	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		3/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 3:14 PM	N
	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		3/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 3:14 PM	SD
	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 3:54 PM	MS
	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 3:54 PM	SD
	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0001-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 4:34 PM	N
	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 4:34 PM	MS
	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0002-SO	240-17525-1		2/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 4:34 PM	SD

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Batch Report

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6640	6245	NA	69-1048-DU1-SS	SO	069SS-0002M-0001- SO	240-17525-2		3/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	01-Dec-2012 5:14 PM	FD
6840	6245	NA	69-1048-DU1-SS	SO	069SS-0001M-0001- SO	240-17525-1		4/1	11-Nov-2012 9:15 AM	21-Nov-2012 3:09 PM	04-Dec-2012 9:18 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6020 / SW3050B/NONE	Blank	MB 240-65198/1-A (LB) / MB 240-65198/1-A	1 / 1.00	Potassium	4.9 (MG/KG)	U/None	< 3.8	< 100	L		1	4.92
SW6020 / TOTAL/NONE	Blank	MB 240-65311/1-A (LB) / MB 240-65311/1-A	1 / 1.00	Potassium	20.7 (UG/L)	U/None	< 16	< 1000	L		1	20.7
SW6020 / TOTAL/NONE	Blank	MB 240-65311/1-A (LB) / MB 240-65311/1-A	1 / 1.00	Thallium	0.35 (UG/L)	U/None	< 0.32	< 2	L		1	0.348
SW6020 / TOTAL/NONE	Blank	MB 240-65311/1-A (LB) / MB 240-65311/1-A	1 / 1.00	Zinc	10.4 (UG/L)	U/None	< 8.8	< 40	L		1	10.4
SW7471A / TOTAL/NONE	Blank	MB 240-65204/1-A (LB) / MB 240-65204/1-A	1 / 1.00	Mercury	0.028 (MG/KG)	U/None	< 0.014	< 0.1	L		1	0.0276
SW7471A / TOTAL/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	Mercury	0.0000 (PERCENT)	J/R	80 - 120	30 - 125	M			
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Aldrin	180 (PERCENT)	J/None	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Aldrin	182 (PERCENT)	J/None	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	alpha-BHC (alpha-Hexachlorocyclohexane)	147 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	alpha-BHC (alpha-Hexachlorocyclohexane)	170 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	alpha-Chlordane	162 (PERCENT)	J/None	65 - 120	20 - 120	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	alpha-Chlordane	173 (PERCENT)	J/None	65 - 120	20 - 120	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	alpha-Endosulfan	137 (PERCENT)	J/None	15 - 135	15 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	beta-BHC (beta-Hexachlorocyclohexane)	1390 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	beta-BHC (beta-Hexachlorocyclohexane)	934 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	beta-Endosulfan	152 (PERCENT)	J/None	35 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	delta-BHC (delta-Hexachlorocyclohexane)	151 (PERCENT)	J/None	55 - 130	20 - 130	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	delta-BHC (delta-Hexachlorocyclohexane)	190 (PERCENT)	J/None	55 - 130	20 - 130	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Dieldrin	159 (PERCENT)	J/None	65 - 125	20 - 125	M	Diluted Out	2.00	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Dieldrin	174 (PERCENT)	J/None	65 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Endosulfan Sulfate	162 (PERCENT)	J/None	60 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Endosulfan Sulfate	194 (PERCENT)	J/None	60 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Endrin	158 (PERCENT)	J/None	60 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Endrin	168 (PERCENT)	J/None	60 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Endrin Aldehyde	150 (PERCENT)	J/None	35 - 145	20 - 145	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Endrin Aldehyde	171 (PERCENT)	J/None	35 - 145	20 - 145	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Endrin Ketone	148 (PERCENT)	J/None	65 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Endrin Ketone	170 (PERCENT)	J/None	65 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	gamma-BHC (Lindane)	177 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	gamma-BHC (Lindane)	187 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	gamma-Chlordane	171 (PERCENT)	J/None	65 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	gamma-Chlordane	181 (PERCENT)	J/None	65 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Heptachlor	187 (PERCENT)	J/None	50 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Heptachlor	193 (PERCENT)	J/None	50 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Heptachlor Epoxide	174 (PERCENT)	J/None	65 - 130	20 - 130	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Heptachlor Epoxide	199 (PERCENT)	J/None	65 - 130	20 - 130	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	Methoxychlor	202 (PERCENT)	J/None	55 - 145	20 - 145	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	Methoxychlor	204 (PERCENT)	J/None	55 - 145	20 - 145	M	Diluted Out	2.00	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	p,p'-DDD	153 (PERCENT)	J/None	30 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	p,p'-DDD	180 (PERCENT)	J/None	30 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	p,p'-DDE	159 (PERCENT)	J/None	70 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	p,p'-DDE	172 (PERCENT)	J/None	70 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 20.00	p,p'-DDT	173 (PERCENT)	J/None	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 20.00	p,p'-DDT	174 (PERCENT)	J/None	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	Aldrin	0.0000 (PERCENT)	J/R	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	Aldrin	0.0000 (PERCENT)	J/R	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	alpha-BHC (alpha-Hexachlorocyclohexane)	0.0000 (PERCENT)	J/R	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	alpha-BHC (alpha-Hexachlorocyclohexane)	0.0000 (PERCENT)	J/R	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	alpha-Chlordane	0.0000 (PERCENT)	J/R	65 - 120	20 - 120	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	alpha-Chlordane	0.0000 (PERCENT)	J/R	65 - 120	20 - 120	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	alpha-Endosulfan	0.0000 (PERCENT)	J/R	15 - 135	15 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	alpha-Endosulfan	0.0000 (PERCENT)	J/R	15 - 135	15 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	beta-BHC (beta-Hexachlorocyclohexane)	1040 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	beta-BHC (beta-Hexachlorocyclohexane)	1170 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	beta-Endosulfan	0.0000 (PERCENT)	J/R	35 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	delta-BHC (delta-Hexachlorocyclohexane)	0.0000 (PERCENT)	J/R	55 - 130	20 - 130	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	delta-BHC (delta-Hexachlorocyclohexane)	0.0000 (PERCENT)	J/R	55 - 130	20 - 130	M	Diluted Out	2.00	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	Endosulfan Sulfate	0.0000 (PERCENT)	J/R	60 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	Endosulfan Sulfate	0.0000 (PERCENT)	J/R	60 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	Endrin Aldehyde	0.0000 (PERCENT)	J/R	35 - 145	20 - 145	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	Endrin Aldehyde	0.0000 (PERCENT)	J/R	35 - 145	20 - 145	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	gamma-BHC (Lindane)	137 (PERCENT)	J/None	60 - 125	20 - 125	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	Heptachlor	0.0000 (PERCENT)	J/R	50 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	Heptachlor	0.0000 (PERCENT)	J/R	50 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	Heptachlor Epoxide	0.0000 (PERCENT)	J/R	65 - 130	20 - 130	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	Methoxychlor	0.0000 (PERCENT)	J/R	55 - 145	20 - 145	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	Methoxychlor	0.0000 (PERCENT)	J/R	55 - 145	20 - 145	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	p,p'-DDD	0.0000 (PERCENT)	J/R	30 - 135	20 - 135	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 50.00	p,p'-DDT	0.0000 (PERCENT)	J/R	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8081 / SW3540C/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 50.00	p,p'-DDT	0.0000 (PERCENT)	J/R	45 - 140	20 - 140	M	Diluted Out	2.00	
SW8260B / NONE/NONE	Blank	MB 240-65171/8 (LB) / MB 240-65171/8	1 / 1.00	4-Methyl-2-pentanone (MIBK)	0.60 (UG/KG)	U/None	< 0.54	< 20	L		1	0.598
SW8260B / NONE/NONE	Blank	MB 240-65171/8 (LB) / MB 240-65171/8	1 / 1.00	Acetone	6.4 (UG/KG)	U/None	< 6.3	< 20	L		2	12.8
SW8260B / NONE/NONE	Blank	MB 240-65171/8 (LB) / MB 240-65171/8	1 / 1.00	Styrene	0.15 (UG/KG)	U/None	< 0.15	< 5	L		1	0.151
SW8260B / NONE/NONE	Blank	MB 240-65336/8 (LB) / MB 240-65336/8	1 / 1.00	2-Hexanone	0.78 (UG/KG)	U/None	< 0.63	< 20	L		1	0.776
SW8260B / NONE/NONE	Blank	MB 240-65336/8 (LB) / MB 240-65336/8	1 / 1.00	Acetone	12.8 (UG/KG)	U/None	< 6.3	< 20	L		2	25.6
SW8260B / NONE/NONE	Blank	MB 240-65336/8 (LB) / MB 240-65336/8	1 / 1.00	Methylene Chloride	2.6 (UG/KG)	U/None	< 0.67	< 5	L		2	5.28

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8260B / NONE/NONE	Blank	MB 240-65336/8 (LB) / MB 240-65336/8	1 / 1.00	Styrene	0.17 (UG/KG)	U/None	< 0.15	< 5	L		1	0.171
SW8260B / SW5030B/NONE	Blank	MB 240-64831/6 (LB) / MB 240-64831/6	1 / 1.00	Methylene Chloride	1.4 (UG/L)	U/None	< 0.33	< 1	L		2	2.74
SW8260B / SW5035/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 1.00	Chlorobenzene	74.1 (PERCENT)	J/UJ	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	1,1,1-Trichloroethane	705 (PERCENT)	J/None	70 - 135	20 - 135	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	1,1,2,2-Tetrachloroethane	278 (PERCENT)	J/None	55 - 130	20 - 130	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	1,1,2-Trichloroethane	314 (PERCENT)	J/None	60 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	1,1-Dichloroethane	589 (PERCENT)	J/None	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	1,1-Dichloroethene	768 (PERCENT)	J/None	65 - 135	20 - 135	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	1,2-Dichloroethane	311 (PERCENT)	J/None	70 - 135	20 - 135	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	1,2-Dichloropropane	423 (PERCENT)	J/None	70 - 120	20 - 120	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	2-Butanone (MEK)	193 (PERCENT)	J/None	30 - 160	20 - 160	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	2-Hexanone	181 (PERCENT)	J/None	45 - 145	20 - 145	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	4-Methyl-2-pentanone (MIBK)	179 (PERCENT)	J/None	45 - 145	20 - 145	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Acetone	218 (PERCENT)	J/None	20 - 160	20 - 160	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Benzene	501 (PERCENT)	J/None	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Bromochloromethane	287 (PERCENT)	J/None	70 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Bromodichloromethane	212 (PERCENT)	J/None	70 - 130	20 - 130	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Bromomethane	1040 (PERCENT)	J/None	30 - 160	20 - 160	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Carbon Disulfide	481 (PERCENT)	J/None	45 - 160	20 - 160	M			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Carbon Tetrachloride	548 (PERCENT)	J/None	65 - 135	20 - 135	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Chlorobenzene	300 (PERCENT)	J/None	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Chloroethane	839 (PERCENT)	J/None	40 - 155	20 - 155	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Chloroform	455 (PERCENT)	J/None	70 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Chloromethane	786 (PERCENT)	J/None	50 - 130	20 - 130	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	cis-1,3-Dichloropropene	184 (PERCENT)	J/None	70 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	cis-1,3-Dichloropropene	61.3 (PERCENT)	J/UJ	70 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Dibromochloromethane	181 (PERCENT)	J/None	65 - 130	20 - 130	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Ethylbenzene	344 (PERCENT)	J/None	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Methylene Chloride	475 (PERCENT)	J/None	55 - 140	20 - 140	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Styrene	188 (PERCENT)	J/None	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	Styrene	65.3 (PERCENT)	J/UJ	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	tert-Butyl Methyl Ether (MTBE)	225 (PERCENT)	J/None	70 - 130	20 - 130	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	Tetrachloroethene (PCE)	550 (PERCENT)	J/None	65 - 140	20 - 140	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Toluene	470 (PERCENT)	J/None	70 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	trans-1,3-Dichloropropene	183 (PERCENT)	J/None	65 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Trichloroethene (TCE)	487 (PERCENT)	J/None	75 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	Vinyl Chloride	867 (PERCENT)	J/None	60 - 125	20 - 125	M			
SW8260B / SW5035/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Xylenes, Total	302 (PERCENT)	J/None	75 - 125	20 - 125	M			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8260B / SW5035/NONE	Surrogate	079SS-0005M-0001-SO (FD) / 240-17477-7	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	126 (PERCENT)	J/None	85 - 120	10 - 120	I			
SW8270C / SW3510/NONE	MS Recovery	068SW-0016-0002-SW (MS) / 240-17477-4	1 / 1.00	3,3'-Dichlorobenzidine	0.0000 (PERCENT)	J/UJ	20 - 110	20 - 110	M			
SW8270C / SW3510/NONE	MS Recovery	068SW-0016-0002-SW (SD) / 240-17477-4	1 / 1.00	3,3'-Dichlorobenzidine	2.4 (PERCENT)	J/UJ	20 - 110	20 - 110	M			
SW8270C / SW3510/NONE	MS Recovery	068SW-0016-0002-SW (SD) / 240-17477-4	1 / 1.00	Benzo(a)pyrene	39.6 (PERCENT)	J/UJ	55 - 110	55 - 110	M			
SW8270C / SW3510/NONE	MS Recovery	068SW-0016-0002-SW (MS) / 240-17477-4	1 / 1.00	Benzo(a)pyrene	49.1 (PERCENT)	J/UJ	55 - 110	55 - 110	M			
SW8270C / SW3510/NONE	MS Recovery	068SW-0016-0002-SW (MS) / 240-17477-4	1 / 1.00	bis(2-Ethylhexyl) Phthalate	181 (PERCENT)	J/None	40 - 125	40 - 125	M			
SW8270C / SW3510/NONE	MS Recovery	068SW-0016-0002-SW (MS) / 240-17477-4	1 / 1.00	Cresols, m & p	63.5 (PERCENT)	J/UJ	70 - 130	70 - 130	M			
SW8270C / SW3550/NONE	Blank	MB 240-65933/23-A (LB) / MB 240-65933/23-A	1 / 1.00	1,2-Dichlorobenzene	15.8 (UG/KG)	U/None	< 9.7	< 50	L		1	15.8
SW8270C / SW3550/NONE	Blank	MB 240-65933/23-A (LB) / MB 240-65933/23-A	1 / 1.00	bis(2-Ethylhexyl) Phthalate	90.1 (UG/KG)	U/None	< 19	< 50	L		5	451
SW8270C / SW3550/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 5.00	2,4-Dinitrophenol	131 (PERCENT)	J/None	15 - 130	15 - 130	M	Diluted Out		2.00
SW8270C / SW3550/NONE	MS Recovery	069SS-0001M-0002-SO (MS) / 240-17525-1	1 / 5.00	3,3'-Dichlorobenzidine	0.0000 (PERCENT)	J/UJ	10 - 130	10 - 130	M	Diluted Out		2.00
SW8270C / SW3550/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 5.00	3,3'-Dichlorobenzidine	0.0000 (PERCENT)	J/UJ	10 - 130	10 - 130	M	Diluted Out		2.00
SW8270C / SW3550/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 5.00	4,6-Dinitro-2-Methylphenol	0.0000 (PERCENT)	J/UJ	30 - 135	30 - 135	M	Diluted Out		2.00
SW8270C / SW3550/NONE	MS Recovery	069SS-0001M-0002-SO (SD) / 240-17525-1	1 / 5.00	4-Nitrophenol	0.0000 (PERCENT)	J/UJ	15 - 140	15 - 140	M	Diluted Out		2.00
SW8270C / SW3550/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	3,3'-Dichlorobenzidine	0.0000 (PERCENT)	J/UJ	10 - 130	10 - 130	M			
SW8270C / SW3550/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	3,3'-Dichlorobenzidine	0.0000 (PERCENT)	J/UJ	10 - 130	10 - 130	M			
SW8270C / SW3550/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	4-Nitroaniline	29.5 (PERCENT)	J/UJ	35 - 115	35 - 115	M			
SW8270C / SW3550/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	4-Nitroaniline	32.2 (PERCENT)	J/UJ	35 - 115	35 - 115	M			
SW8270C / SW3550/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	Dibenzofuran	-13.3 (PERCENT)	J/UJ	50 - 105	50 - 105	M			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8270C / SW3550/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	Phenanthrene	-3.6 (PERCENT)	J/UJ	50 - 110	50 - 110	M			
SW8270C / SW3550	Prep Hold Time	079SS-0004M-0001-SO (N) / 240-17477-6	2 / 1.00	All in Run	26.0 (Days)	J/UJ	< 14	< 28	H2	Prep Exceeds UWL		
SW8270C / SW3550	Prep Hold Time	079SS-0005M-0001-SO (FD) / 240-17477-7	2 / 1.00	All in Run	26.0 (Days)	J/UJ	< 14	< 28	H2	Prep Exceeds UWL		
SW8330B / METHOD/NONE	MS Recovery	079SS-0004M-0001-SO (SD) / 240-17477-6	1 / 1.00	NITROGUANIDINE	75.1 (PERCENT)	J/UJ	80 - 120	20 - 120	M			
SW8330B / METHOD/NONE	MS Recovery	079SS-0004M-0001-SO (MS) / 240-17477-6	1 / 1.00	NITROGUANIDINE	76.1 (PERCENT)	J/UJ	80 - 120	20 - 120	M			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Aluminum	60.0	54.0	54.0 J		UG/L	TR
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Arsenic	5.0	0.64	0.64 J		UG/L	TR
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Cobalt	1.0	0.29	1.0 U	+	UG/L	B2
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Arsenic	5.0	0.70	0.70 J		UG/L	TR
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Lead	1.0	0.31	1.0 U	+	UG/L	B2
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Nickel	5.0	0.74	0.74 J		UG/L	TR
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Vanadium	5.0	0.55	0.55 J		UG/L	TR
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Aluminum	60.0	38.0	38.0 J		UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Antimony	2.0	1.0	1.0 J		UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Arsenic	5.0	0.78	0.78 J		UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Cobalt	1.0	0.31	1.0 U	+	UG/L	B2
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Copper	4.0	1.6	1.6 J		UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Lead	1.0	0.59	1.0 U	+	UG/L	B2
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Nickel	5.0	0.90	0.90 J		UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Thallium	2.0	0.43	2.0 U	+	UG/L	B2
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Vanadium	5.0	0.72	0.72 J		UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Zinc	40.0	12.0	40.0 U	+	UG/L	L
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Antimony	0.19	0.71	0.71 J		MG/KG	M
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Cadmium	0.19	0.13	0.13 J		MG/KG	TR
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Magnesium	96.0	3300	3300 J		MG/KG	M
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Sodium	96.0	66.0	66.0 J		MG/KG	TR
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Thallium	0.19	0.084	0.084 J		MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Antimony	0.16	0.23	0.23 J		MG/KG	M
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Cadmium	0.16	0.087	0.087 J		MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Magnesium	79.0	2700	2700 J		MG/KG	M
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Silver	0.079	0.053	0.053 J		MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Sodium	79.0	52.0	52.0 J		MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Thallium	0.16	0.13	0.13 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Antimony	0.17	0.21	0.21 J		MG/KG	M
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Cadmium	0.17	0.081	0.081 J		MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Magnesium	85.0	2300	2300 J		MG/KG	M
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Selenium	0.42	0.40	0.40 J		MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Silver	0.085	0.064	0.064 J		MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Sodium	85.0	37.0	37.0 J		MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Thallium	0.17	0.13	0.13 J		MG/KG	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW7471A/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Mercury	0.090	0.043	0.043 J		MG/KG	TR
SW7471A/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Mercury	0.097	0.062	0.097 U	+	MG/KG	L
SW7471A/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Mercury	0.098	0.058	0.098 U	+	MG/KG	L
SW7471A/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Mercury	0.090	0.049	0.090 U	+	MG/KG	L
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8081/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Heptachlor Epoxide	120	120	120 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Aldrin	40.0	40.0	40.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	alpha-BHC (alpha-Hexachlorocyclohexane)	25.0	25.0	25.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	alpha-Chlordane	30.0	30.0	30.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	alpha-Endosulfan	17.0	17.0	17.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	beta-BHC (beta-Hexachlorocyclohexane)	35.0	150	35.0 UJ		UG/KG	V2/P1
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	beta-Endosulfan	25.0	25.0	25.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	delta-BHC (delta-Hexachlorocyclohexane)	40.0	40.0	40.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Dieldrin	17.0	17.0	17.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Endosulfan Sulfate	30.0	30.0	30.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Endrin	17.0	17.0	17.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Endrin Aldehyde	30.0	30.0	30.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Endrin Ketone	20.0	20.0	20.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	gamma-BHC (Lindane)	25.0	25.0	25.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	gamma-Chlordane	17.0	17.0	17.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Heptachlor	35.0	35.0	35.0 UJ		UG/KG	V2

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Heptachlor Epoxide	25.0	25.0	25.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Methoxychlor	50.0	50.0	50.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	p,p'-DDD	20.0	20.0	20.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	p,p'-DDE	17.0	17.0	17.0 UJ		UG/KG	V2
SW8081/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	p,p'-DDT	20.0	20.0	20.0 UJ		UG/KG	V2
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8082/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	PCB-1260 (Arochlor 1260)	54.0	41.0	41.0 J		UG/KG	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	2-Hexanone	18.0	1.4	1.4 J		UG/KG	TR
SW8260B/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	4-Methyl-2-pentanone (MIBK)	18.0	0.93	0.93 J		UG/KG	TR
SW8260B/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	2-Hexanone	24.0	0.93	0.93 J		UG/KG	TR
SW8260B/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Acetone	22.0	13.0	13.0 J		UG/KG	TR
SW8260B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	1,1,2,2-Tetrachloroethane	8.5	8.5	8.5 UJ		UG/KG	S
SW8260B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Carbon Disulfide	8.5	1.5	1.5 J	+	UG/KG	M/TR/I
SW8260B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	cis-1,3-Dichloropropene	8.5	8.5	8.5 UJ		UG/KG	M
SW8260B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Styrene	8.5	8.5	8.5 UJ		UG/KG	M
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	1,1,2,2-Tetrachloroethane	6.8	6.8	6.8 UJ		UG/KG	S
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	2-Hexanone	27.0	1.9	1.9 J	+	UG/KG	I/TR
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Acetone	27.0	12.0	27.0 U	+	UG/KG	L
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Carbon Disulfide	6.8	1.3	1.3 J	+	UG/KG	I/TR/J
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Styrene	6.8	0.32	6.8 U	+	UG/KG	L
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Toluene	6.8	0.37	0.37 J	+	UG/KG	I/TR
SW8260B/NONE	WG	079SS-0006-0001-TB	240-17477-8	N	Chloroform	1.0	0.61	0.61 J		UG/L	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Pentachlorophenol	4.8	4.8	4.8 UJ		UG/L	V1
SW8270C/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Pentachlorophenol	4.8	4.8	4.8 UJ		UG/L	V1
SW8270C/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	bis(2-Ethylhexyl) Phthalate	1.9	1.7	1.7 J		UG/L	TR
SW8270C/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Pentachlorophenol	4.8	4.8	4.8 UJ		UG/L	V1

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	3,3'-Dichlorobenzidine	4.8	4.8	4.8 R	-	UG/L	M
SW8270C/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Benzo(a)pyrene	0.19	0.19	0.19 UJ	-	UG/L	M
SW8270C/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Cresols, m & p	1.9	1.9	1.9 UJ	-	UG/L	M
SW8270C/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Pentachlorophenol	4.8	4.8	4.8 UJ		UG/L	V1
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	2,4-Dinitrophenol	1700	1700	1700 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	2-Methylnaphthalene	34.0	20.0	20.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	4,6-Dinitro-2-Methylphenol	750	750	750 U		UG/KG	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	4-Nitrophenol	1700	1700	1700 UJ	-	UG/KG	H1
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Benzo(k)fluoranthene	34.0	28.0	28.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Naphthalene	34.0	18.0	18.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	2,4-Dinitrophenol	1300	1300	1300 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	2-Methylnaphthalene	27.0	21.0	21.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	4,6-Dinitro-2-Methylphenol	600	600	600 U		UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	4-Nitrophenol	1300	1300	1300 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Acenaphthylene	27.0	16.0	16.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Anthracene	27.0	18.0	18.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	2-Methylnaphthalene	27.0	25.0	25.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Acenaphthene	27.0	23.0	23.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	bis(2-Ethylhexyl) Phthalate	200	79.0	79.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Dibenzofuran	200	27.0	27.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Acenaphthylene	26.0	18.0	18.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Anthracene	26.0	25.0	25.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Benzyl butyl phthalate	200	100	100 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Dibenzofuran	200	22.0	22.0 J		UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Fluorene	26.0	20.0	20.0 J		UG/KG	TR
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	1,2-Dichlorobenzene	50.0	14.0	50.0 U	+	UG/KG	L
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	2-Methylnaphthalene	6.7	90.0	90.0 J		UG/KG	d
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	3,3'-Dichlorobenzidine	100	100	100 R	-	UG/KG	M

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	4,6-Dinitro-2-Methylphenol	150	150	150 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	4-Nitroaniline	200	200	200 UJ	-	UG/KG	M
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Acenaphthene	6.7	5.7	5.7 J		UG/KG	TR
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Benzoic acid	660	660	660 R		UG/KG	M/J
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	bis(2-Ethylhexyl) Phthalate	50.0	50.0	50.0 UJ	-	UG/KG	H2
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Dibenz(a,h)anthracene	6.7	6.7	6.7 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Fluorene	6.7	6.1	6.1 J		UG/KG	TR
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Hexachloroethane	50.0	50.0	50.0 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Indeno(1,2,3-c,d)pyrene	6.7	22.0	22.0 J		UG/KG	J
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Naphthalene	6.7	63.0	63.0 J		UG/KG	d
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Phenanthrene	6.6	537	71.0 J	-	UG/KG	M
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	1,4-Dichlorobenzene	50.0	20.0	20.0 J		UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	2-Methylnaphthalene	6.7	53.0	53.0 J		UG/KG	d
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	4,6-Dinitro-2-Methylphenol	150	150	150 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Acenaphthene	6.7	3.6	3.6 J		UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Benzoic acid	660	660	660 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	bis(2-Ethylhexyl) Phthalate	51.0	25.0	25.0 J	-	UG/KG	H2/TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Dibenz(a,h)anthracene	6.7	6.7	6.7 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Dibenzofuran	50.0	17.0	17.0 J		UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Fluorene	6.7	5.1	5.1 J		UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Hexachloroethane	50.0	50.0	50.0 UJ		UG/KG	J
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Indeno(1,2,3-c,d)pyrene	6.7	34.0	34.0 J		UG/KG	J
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Naphthalene	6.7	36.0	36.0 J		UG/KG	d
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8330B/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Tetryl	0.25	0.073	0.073 J		MG/KG	TR
SW8330B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	2-Nitrotoluene	0.25	0.25	0.25 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	4-Nitrotoluene	0.25	0.25	0.25 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.25	0.25	0.25 UJ		MG/KG	V2

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8330B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Nitrobenzene	0.25	0.25	0.25 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	NITROGUANIDINE	0.25	0.25	0.25 UJ	-	MG/KG	M
SW8330B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Pentaerythritol Tetranitrate	0.50	0.50	0.50 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	2-Nitrotoluene	0.25	0.25	0.25 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	4-Nitrotoluene	0.25	0.25	0.25 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	0.25	0.25	0.25 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Nitrobenzene	0.25	0.25	0.25 UJ		MG/KG	V2
SW8330B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Pentaerythritol Tetranitrate	0.50	0.50	0.50 UJ		MG/KG	V2

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Aluminum	60.0	54.0	54.0 J	UG/L	TR
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Arsenic	5.0	0.64	0.64 J	UG/L	TR
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Barium	5.0	30.0	30.0	UG/L	
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Calcium	2000	33000	33000	UG/L	
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Iron	150	1400	1400	UG/L	
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Potassium	1000	1700	1700	UG/L	
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Magnesium	1000	9400	9400	UG/L	
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Manganese	5.0	620	620	UG/L	
SW6020/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	Sodium	1000	4300	4300	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Aluminum	60.0	250	250	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Arsenic	5.0	0.70	0.70 J	UG/L	TR
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Barium	5.0	32.0	32.0	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Calcium	2000	33000	33000	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Iron	150	1000	1000	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Potassium	1000	2000	2000	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Magnesium	1000	9000	9000	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Manganese	5.0	240	240	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Sodium	1000	4100	4100	UG/L	
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Nickel	5.0	0.74	0.74 J	UG/L	TR
SW6020/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	Vanadium	5.0	0.55	0.55 J	UG/L	TR
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Aluminum	60.0	38.0	38.0 J	UG/L	TR
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Barium	5.0	27.0	27.0	UG/L	
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Calcium	2000	32000	32000	UG/L	
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Iron	150	620	620	UG/L	
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Potassium	1000	1800	1800	UG/L	
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Magnesium	1000	8900	8900	UG/L	
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Manganese	5.0	190	190	UG/L	
SW6020/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	Sodium	1000	4200	4200	UG/L	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Aluminum	60.0	320	320	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Arsenic	5.0	0.78	0.78 J	UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Barium	5.0	34.0	34.0	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Calcium	2000	31000	31000	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Copper	4.0	1.6	1.6 J	UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Iron	150	1300	1300	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Potassium	1000	1900	1900	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Magnesium	1000	8300	8300	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Manganese	5.0	330	330	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Sodium	1000	3900	3900	UG/L	
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Nickel	5.0	0.90	0.90 J	UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Antimony	2.0	1.0	1.0 J	UG/L	TR
SW6020/NONE	WS	068SW-0016-0001-SW	240-17477-4	N	Vanadium	5.0	0.72	0.72 J	UG/L	TR
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Silver	0.096	0.20	0.20	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Aluminum	9.6	7800	7800	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Arsenic	0.48	37.0	37.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Barium	0.48	63.0	63.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Beryllium	0.096	0.65	0.65	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Calcium	190	9800	9800	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Cadmium	0.19	0.13	0.13 J	MG/KG	TR
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Cobalt	0.096	14.0	14.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Chromium	0.48	26.0	26.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Copper	0.38	16.0	16.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Iron	48.0	21000	21000	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Potassium	96.0	920	920	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Magnesium	96.0	3300	3300 J	MG/KG	M
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Manganese	0.48	720	720	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Sodium	96.0	66.0	66.0 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Nickel	0.48	33.0	33.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Lead	0.29	24.0	24.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Antimony	0.19	0.71	0.71 J	MG/KG	M
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Selenium	0.48	0.53	0.53	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Thallium	0.19	0.084	0.084 J	MG/KG	TR
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Vanadium	0.48	14.0	14.0	MG/KG	
SW6020/NONE	SO	079SS-0003M-0001-SO	240-17477-5	N	Zinc	3.8	57.0	57.0	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Silver	0.079	0.053	0.053 J	MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Aluminum	7.9	7700	7700	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Arsenic	0.40	21.0	21.0	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Barium	0.40	60.0	60.0	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Beryllium	0.079	0.53	0.53	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Calcium	160	5500	5500	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Cadmium	0.16	0.087	0.087 J	MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Cobalt	0.079	8.4	8.4	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Chromium	0.40	20.0	20.0	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Copper	0.32	11.0	11.0	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Iron	40.0	19000	19000	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Potassium	79.0	870	870	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Magnesium	79.0	2700	2700 J	MG/KG	M
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Manganese	0.40	530	530	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Sodium	79.0	52.0	52.0 J	MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Nickel	0.40	23.0	23.0	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Lead	0.24	14.0	14.0	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Antimony	0.16	0.23	0.23 J	MG/KG	M
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Selenium	0.40	0.46	0.46	MG/KG	
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Thallium	0.16	0.13	0.13 J	MG/KG	TR
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Vanadium	0.40	14.0	14.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Zinc	3.2	44.0	44.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Silver	0.085	0.064	0.064 J	MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Aluminum	8.5	6500	6500	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Arsenic	0.42	22.0	22.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Barium	0.42	44.0	44.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Beryllium	0.085	0.43	0.43	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Calcium	170	3600	3600	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Cadmium	0.17	0.081	0.081 J	MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Cobalt	0.085	8.3	8.3	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Chromium	0.42	14.0	14.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Copper	0.34	10.0	10.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Iron	42.0	19000	19000	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Potassium	85.0	730	730	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Magnesium	85.0	2300	2300 J	MG/KG	M
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Manganese	0.42	440	440	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Sodium	85.0	37.0	37.0 J	MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Nickel	0.42	21.0	21.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Lead	0.25	13.0	13.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Antimony	0.17	0.21	0.21 J	MG/KG	M
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Selenium	0.42	0.40	0.40 J	MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Thallium	0.17	0.13	0.13 J	MG/KG	TR
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Vanadium	0.42	13.0	13.0	MG/KG	
SW6020/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Zinc	3.4	43.0	43.0	MG/KG	
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW7471A/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Mercury	0.11	0.21	0.21	MG/KG	
SW7471A/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Mercury	0.11	0.12	0.12	MG/KG	
SW7471A/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Mercury	0.090	0.043	0.043 J	MG/KG	TR
SW7471A/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Mercury	0.092	0.11	0.11	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8082/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	PCB-1260 (Arochlor 1260)	54.0	41.0	41.0 J	UG/KG	TR

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8260B/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	2-Hexanone	18.0	1.4	1.4 J	UG/KG	TR
SW8260B/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	4-Methyl-2-pentanone (MIBK)	18.0	0.93	0.93 J	UG/KG	TR
SW8260B/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Acetone	22.0	13.0	13.0 J	UG/KG	TR
SW8260B/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	2-Hexanone	24.0	0.93	0.93 J	UG/KG	TR
SW8260B/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Carbon Disulfide	8.5	1.5	1.5 J +	UG/KG	M/TR/I
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Toluene	6.8	0.37	0.37 J +	UG/KG	I/TR
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Carbon Disulfide	6.8	1.3	1.3 J +	UG/KG	I/TR/J
SW8260B/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	2-Hexanone	27.0	1.9	1.9 J +	UG/KG	I/TR
SW8260B/NONE	WG	079SS-0006-0001-TB	240-17477-8	N	Chloroform	1.0	0.61	0.61 J	UG/L	TR

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	WS	068SW-0013-0001-SW	240-17477-1	N	bis(2-Ethylhexyl) Phthalate	1.9	23.0	23.0	UG/L	
SW8270C/NONE	WS	068SW-0014-0001-SW	240-17477-2	FD	bis(2-Ethylhexyl) Phthalate	1.9	2.8	2.8	UG/L	
SW8270C/NONE	WS	068SW-0015-0001-SW	240-17477-3	N	bis(2-Ethylhexyl) Phthalate	1.9	1.7	1.7 J	UG/L	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Benzo(a)anthracene	34.0	54.0	54.0	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Benzo(a)pyrene	34.0	93.0	93.0	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Benzo(b)fluoranthene	34.0	90.0	90.0	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Benzo(g,h,i)perylene	34.0	52.0	52.0	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Benzo(k)fluoranthene	34.0	28.0	28.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Chrysene	34.0	72.0	72.0	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Fluoranthene	34.0	120	120	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Indeno(1,2,3-c,d)pyrene	34.0	69.0	69.0	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	2-Methylnaphthalene	34.0	20.0	20.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Naphthalene	34.0	18.0	18.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Phenanthrene	34.0	53.0	53.0	UG/KG	
SW8270C/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Pyrene	34.0	86.0	86.0	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Acenaphthylene	27.0	16.0	16.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Anthracene	27.0	18.0	18.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Benzo(a)anthracene	27.0	120	120	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Benzo(a)pyrene	27.0	120	120	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Benzo(b)fluoranthene	27.0	150	150	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Benzo(g,h,i)perylene	27.0	63.0	63.0	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Benzo(k)fluoranthene	27.0	45.0	45.0	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Chrysene	27.0	130	130	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Fluoranthene	27.0	190	190	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Indeno(1,2,3-c,d)pyrene	27.0	82.0	82.0	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	2-Methylnaphthalene	27.0	21.0	21.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Phenanthrene	27.0	65.0	65.0	UG/KG	
SW8270C/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Pyrene	27.0	170	170	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Acenaphthene	27.0	23.0	23.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Acenaphthylene	27.0	83.0	83.0	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Anthracene	27.0	81.0	81.0	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	bis(2-Ethylhexyl) Phthalate	200	79.0	79.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Benzo(a)anthracene	27.0	380	380	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Benzo(a)pyrene	27.0	400	400	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Benzo(b)fluoranthene	27.0	520	520	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Benzo(g,h,i)perylene	27.0	240	240	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Benzo(k)fluoranthene	27.0	210	210	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Chrysene	27.0	410	410	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Dibenz(a,h)anthracene	27.0	120	120	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Dibenzofuran	200	27.0	27.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Fluorene	27.0	45.0	45.0	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Fluoranthene	27.0	710	710	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Indeno(1,2,3-c,d)pyrene	27.0	250	250	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	2-Methylnaphthalene	27.0	25.0	25.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Naphthalene	27.0	32.0	32.0	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Phenanthrene	27.0	360	360	UG/KG	
SW8270C/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Pyrene	27.0	540	540	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Acenaphthylene	26.0	18.0	18.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Anthracene	26.0	25.0	25.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Benzyl butyl phthalate	200	100	100 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Benzo(a)anthracene	26.0	130	130	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Benzo(a)pyrene	26.0	160	160	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Benzo(b)fluoranthene	26.0	200	200	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Benzo(g,h,i)perylene	26.0	100	100	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Benzo(k)fluoranthene	26.0	73.0	73.0	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Chrysene	26.0	150	150	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Dibenzofuran	200	22.0	22.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Fluorene	26.0	20.0	20.0 J	UG/KG	TR
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Fluoranthene	26.0	260	260	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Indeno(1,2,3-c,d)pyrene	26.0	100	100	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	2-Methylnaphthalene	26.0	46.0	46.0	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Naphthalene	26.0	43.0	43.0	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Phenanthrene	26.0	150	150	UG/KG	
SW8270C/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Pyrene	26.0	210	210	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Acenaphthene	6.7	5.7	5.7 J	UG/KG	TR
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Acenaphthylene	6.7	10.0	10.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Anthracene	6.7	10.0	10.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Benzo(a)anthracene	6.7	43.0	43.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Benzo(a)pyrene	6.7	42.0	42.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Benzo(b)fluoranthene	6.7	75.0	75.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Benzo(g,h,i)perylene	6.7	26.0	26.0	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Benzo(k)fluoranthene	6.7	27.0	27.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Chrysene	6.7	63.0	63.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Dibenzofuran	50.0	506	23.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Fluorene	6.7	6.1	6.1 J	UG/KG	TR
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Fluoranthene	6.7	78.0	78.0	UG/KG	
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Indeno(1,2,3-c,d)pyrene	6.7	22.0	22.0 J	UG/KG	J
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	2-Methylnaphthalene	6.7	90.0	90.0 J	UG/KG	d
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Naphthalene	6.7	63.0	63.0 J	UG/KG	d
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Phenanthrene	6.6	537	71.0 J -	UG/KG	M
SW8270C/NONE	SO	079SS-0004M-0001-SO	240-17477-6	N	Pyrene	6.7	65.0	65.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Acenaphthene	6.7	3.6	3.6 J	UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Acenaphthylene	6.7	12.0	12.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Anthracene	6.7	12.0	12.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	bis(2-Ethylhexyl) Phthalate	51.0	25.0	25.0 J -	UG/KG	H2/TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Benzo(a)anthracene	6.7	58.0	58.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Benzo(a)pyrene	6.7	49.0	49.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Benzo(b)fluoranthene	6.7	100	100	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Benzo(g,h,i)perylene	6.7	40.0	40.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Benzo(k)fluoranthene	6.7	42.0	42.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Chrysene	6.7	82.0	82.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Dibenzofuran	50.0	17.0	17.0 J	UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	1,2-Dichlorobenzene	50.0	95.0	95.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	1,4-Dichlorobenzene	50.0	20.0	20.0 J	UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Fluorene	6.7	5.1	5.1 J	UG/KG	TR
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Fluoranthene	6.7	96.0	96.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Indeno(1,2,3-c,d)pyrene	6.7	34.0	34.0 J	UG/KG	J
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	2-Methylnaphthalene	6.7	53.0	53.0 J	UG/KG	d
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Naphthalene	6.7	36.0	36.0 J	UG/KG	d

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Phenanthrene	6.7	56.0	56.0	UG/KG	
SW8270C/NONE	SO	079SS-0005M-0001-SO	240-17477-7	FD	Pyrene	6.7	79.0	79.0	UG/KG	
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8330B/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	NITROGUANIDINE	0.24	0.34	0.34	MG/KG	
SW8330B/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Tetryl	0.25	0.073	0.073 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Rejected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	WS	068SW-0016-0001-SW	N	3,3'-Dichlorobenzidine	4.8	4.8	R	UG/L	M
SW8270C/NONE	SO	079SS-0004M-0001-SO	N	Benzoic acid	660	660	R	UG/KG	M/J
SW8270C/NONE	SO	079SS-0004M-0001-SO	N	3,3'-Dichlorobenzidine	100	100	R	UG/KG	M

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Anomalies Count

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test/Extraction Method/Leach	# of Field Samples Outside of Compliance	# of Analytes Outside of Compliance
E353.2/METHOD/NONE	4	4
SW6020/SW3050B/NONE	3	21
SW7471A/TOTAL/NONE	2	2
SW8081/SW3540C/NONE	4	84
SW8082/SW3540C/NONE	8	56
SW8260B/SW5030B/NONE	1	1
SW8270C/SW3550/NONE	6	88

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
E353.2/NONE	069SS-0001M-0001-SO	N	1	Nitrocellulose	47 U	7.4	47	5	MG/KG
E353.2/NONE	069SS-0002M-0001-SO	FD	1	Nitrocellulose	47 U	7.3	47	5	MG/KG
E353.2/NONE	079SS-0004M-0001-SO	N	1	Nitrocellulose	48 U	7.5	48	5	MG/KG
E353.2/NONE	079SS-0005M-0001-SO	FD	1	Nitrocellulose	46 U	7.2	46	5	MG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	068SW-0013-0001-SW	N	1	Aluminum	54 J	20	60	50	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Cadmium	2 U	0.4	2	0.5	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Calcium	33000	540	2000	100	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Iron	1400	44	150	100	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Magnesium	9400	120	1000	100	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Potassium	1700	16	1000	200	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Sodium	4300	160	1000	200	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Thallium	2 U	0.32	2	1	UG/L
SW6020/NONE	068SW-0013-0001-SW	N	1	Zinc	40 U	8.8	40	10	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Aluminum	250	20	60	50	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Cadmium	2 U	0.4	2	0.5	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Calcium	33000	540	2000	100	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Iron	1000	44	150	100	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Magnesium	9000	120	1000	100	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Potassium	2000	16	1000	200	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Sodium	4100	160	1000	200	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Thallium	2 U	0.32	2	1	UG/L
SW6020/NONE	068SW-0014-0001-SW	FD	1	Zinc	40 U	8.8	40	10	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Aluminum	38 J	20	60	50	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Cadmium	2 U	0.4	2	0.5	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Calcium	32000	540	2000	100	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Iron	620	44	150	100	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Magnesium	8900	120	1000	100	UG/L

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	068SW-0015-0001-SW	N	1	Potassium	1800	16	1000	200	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Sodium	4200	160	1000	200	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Thallium	2 U	0.32	2	1	UG/L
SW6020/NONE	068SW-0015-0001-SW	N	1	Zinc	40 U	8.8	40	10	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Aluminum	320	20	60	50	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Cadmium	2 U	0.4	2	0.5	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Calcium	31000	540	2000	100	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Iron	1300	44	150	100	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Magnesium	8300	120	1000	100	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Potassium	1900	16	1000	200	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Sodium	3900	160	1000	200	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Thallium	2 U	0.32	2	1	UG/L
SW6020/NONE	068SW-0016-0001-SW	N	1	Zinc	40 U	8.8	40	10	UG/L
SW6020/NONE	079SS-0003M-0001-SO	N	1	Cadmium	0.13 J	0.003	0.19	0.1	MG/KG
SW6020/NONE	079SS-0003M-0001-SO	N	1	Calcium	9800	39	190	10	MG/KG
SW6020/NONE	079SS-0003M-0001-SO	N	1	Iron	21000	10	48	10	MG/KG
SW6020/NONE	079SS-0003M-0001-SO	N	1	Magnesium	3300 J	8.6	96	10	MG/KG
SW6020/NONE	079SS-0003M-0001-SO	N	1	Potassium	920	3.6	96	20	MG/KG
SW6020/NONE	079SS-0003M-0001-SO	N	1	Sodium	66 J	13	96	20	MG/KG
SW6020/NONE	079SS-0003M-0001-SO	N	1	Zinc	57	0.96	3.8	1	MG/KG
SW6020/NONE	079SS-0004M-0001-SO	N	1	Cadmium	0.087 J	0.0025	0.16	0.1	MG/KG
SW6020/NONE	079SS-0004M-0001-SO	N	1	Calcium	5500	32	160	10	MG/KG
SW6020/NONE	079SS-0004M-0001-SO	N	1	Iron	19000	8.7	40	10	MG/KG
SW6020/NONE	079SS-0004M-0001-SO	N	1	Magnesium	2700 J	7.1	79	10	MG/KG
SW6020/NONE	079SS-0004M-0001-SO	N	1	Potassium	870	3	79	20	MG/KG
SW6020/NONE	079SS-0004M-0001-SO	N	1	Sodium	52 J	11	79	20	MG/KG
SW6020/NONE	079SS-0004M-0001-SO	N	1	Zinc	44	0.79	3.2	1	MG/KG
SW6020/NONE	079SS-0005M-0001-SO	FD	1	Cadmium	0.081 J	0.0026	0.17	0.1	MG/KG
SW6020/NONE	079SS-0005M-0001-SO	FD	1	Calcium	3600	34	170	10	MG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	079SS-0005M-0001-SO	FD	1	Iron	19000	9.2	42	10	MG/KG
SW6020/NONE	079SS-0005M-0001-SO	FD	1	Magnesium	2300 J	7.5	85	10	MG/KG
SW6020/NONE	079SS-0005M-0001-SO	FD	1	Potassium	730	3.2	85	20	MG/KG
SW6020/NONE	079SS-0005M-0001-SO	FD	1	Sodium	37 J	12	85	20	MG/KG
SW6020/NONE	079SS-0005M-0001-SO	FD	1	Zinc	43	0.85	3.4	1	MG/KG
Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW7471A/NONE	069SS-0001M-0001-SO	N	1	Mercury	0.206	0.015	0.11	0.1	MG/KG
SW7471A/NONE	069SS-0002M-0001-SO	FD	1	Mercury	0.12	0.015	0.11	0.1	MG/KG
Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	069SS-0001M-0001-SO	N	20	Aldrin	79 U	24	79	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	alpha-BHC (alpha-Hexachlorocyclohexane)	49 U	14	49	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	alpha-Chlordane	59 U	19	59	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	alpha-Endosulfan	34 U	10	34	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	beta-BHC (beta-Hexachlorocyclohexane)	69 U	22	69	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	beta-Endosulfan	49 U	16	49	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	delta-BHC (delta-Hexachlorocyclohexane)	79 U	24	79	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Dieldrin	34 U	9.3	34	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Endosulfan Sulfate	59 U	17	59	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Endrin	34 U	9.9	34	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Endrin Aldehyde	59 U	20	59	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Endrin Ketone	40 U	12	40	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	gamma-BHC (Lindane)	49 U	15	49	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	gamma-Chlordane	34 U	8.3	34	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Heptachlor	69 U	22	69	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Heptachlor Epoxide	49 U	16	49	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Methoxychlor	99 U	30	99	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	p,p'-DDD	40 U	12	40	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	p,p'-DDE	34 U	7.7	34	1.7	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	069SS-0001M-0001-SO	N	20	p,p'-DDT	40 U	12	40	1.7	UG/KG
SW8081/NONE	069SS-0001M-0001-SO	N	20	Toxaphene	1300 U	380	1300	170	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Aldrin	40 U	12	40	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	alpha-BHC (alpha-Hexachlorocyclohexane)	25 U	7.4	25	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	alpha-Chlordane	30 U	9.5	30	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	alpha-Endosulfan	17 U	5.2	17	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	beta-BHC (beta-Hexachlorocyclohexane)	35 U	11	35	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	beta-Endosulfan	25 U	8.3	25	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	delta-BHC (delta-Hexachlorocyclohexane)	40 U	12	40	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Dieldrin	17 U	4.7	17	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Endosulfan Sulfate	30 U	8.8	30	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Endrin	17 U	5	17	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Endrin Aldehyde	30 U	10	30	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Endrin Ketone	20 U	6.3	20	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	gamma-BHC (Lindane)	25 U	7.5	25	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	gamma-Chlordane	17 U	4.2	17	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Heptachlor	35 U	11	35	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Heptachlor Epoxide	25 U	8.1	25	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Methoxychlor	50 U	15	50	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	p,p'-DDD	20 U	6.2	20	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	p,p'-DDE	17 U	3.9	17	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	p,p'-DDT	20 U	6.3	20	1.7	UG/KG
SW8081/NONE	069SS-0002M-0001-SO	FD	10	Toxaphene	680 U	190	680	170	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Aldrin	200 U	60	200	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	alpha-BHC (alpha-Hexachlorocyclohexane)	120 U	36	120	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	alpha-Chlordane	150 U	47	150	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	alpha-Endosulfan	84 U	26	84	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	beta-BHC (beta-Hexachlorocyclohexane)	170 U	55	170	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	beta-Endosulfan	120 U	41	120	1.7	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	079SS-0004M-0001-SO	N	50	delta-BHC (delta-Hexachlorocyclohexane)	200 U	60	200	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Dieldrin	84 U	23	84	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Endosulfan Sulfate	150 U	43	150	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Endrin	84 U	25	84	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Endrin Aldehyde	150 U	50	150	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Endrin Ketone	99 U	31	99	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	gamma-BHC (Lindane)	120 U	37	120	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	gamma-Chlordane	84 U	21	84	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Heptachlor	170 U	55	170	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Heptachlor Epoxide	120 UJ	40	120	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Methoxychlor	250 U	74	250	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	p,p'-DDD	99 U	31	99	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	p,p'-DDE	84 U	19	84	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	p,p'-DDT	99 U	31	99	1.7	UG/KG
SW8081/NONE	079SS-0004M-0001-SO	N	50	Toxaphene	3300 U	940	3300	170	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Aldrin	40 UJ	12	40	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	alpha-BHC (alpha-Hexachlorocyclohexane)	25 UJ	7.3	25	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	alpha-Chlordane	30 UJ	9.4	30	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	alpha-Endosulfan	17 UJ	5.2	17	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	beta-BHC (beta-Hexachlorocyclohexane)	35 UJ	11	35	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	beta-Endosulfan	25 UJ	8.2	25	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	delta-BHC (delta-Hexachlorocyclohexane)	40 UJ	12	40	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Dieldrin	17 UJ	4.7	17	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Endosulfan Sulfate	30 UJ	8.7	30	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Endrin	17 UJ	5	17	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Endrin Aldehyde	30 UJ	10	30	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Endrin Ketone	20 UJ	6.3	20	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	gamma-BHC (Lindane)	25 UJ	7.4	25	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	gamma-Chlordane	17 UJ	4.2	17	1.7	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Heptachlor	35 UJ	11	35	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Heptachlor Epoxide	25 UJ	8	25	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Methoxychlor	50 UJ	15	50	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	p,p'-DDD	20 UJ	6.2	20	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	p,p'-DDE	17 UJ	3.9	17	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	p,p'-DDT	20 UJ	6.3	20	1.7	UG/KG
SW8081/NONE	079SS-0005M-0001-SO	FD	10	Toxaphene	670 U	190	670	170	UG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	068SW-0013-0001-SW	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	068SW-0013-0001-SW	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	068SW-0013-0001-SW	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0013-0001-SW	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	068SW-0013-0001-SW	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	068SW-0013-0001-SW	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0013-0001-SW	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	068SW-0014-0001-SW	FD	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	068SW-0014-0001-SW	FD	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	068SW-0014-0001-SW	FD	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0014-0001-SW	FD	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	068SW-0014-0001-SW	FD	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	068SW-0014-0001-SW	FD	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0014-0001-SW	FD	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	068SW-0015-0001-SW	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	068SW-0015-0001-SW	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	068SW-0015-0001-SW	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0015-0001-SW	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	068SW-0015-0001-SW	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	068SW-0015-0001-SW	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0015-0001-SW	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	068SW-0016-0001-SW	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	068SW-0016-0001-SW	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	068SW-0016-0001-SW	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0016-0001-SW	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	068SW-0016-0001-SW	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	068SW-0016-0001-SW	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	068SW-0016-0001-SW	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	069SS-0001M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	64 U	21	64	33	UG/KG
SW8082/NONE	069SS-0001M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	49 U	16	49	33	UG/KG
SW8082/NONE	069SS-0001M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	44 U	14	44	33	UG/KG
SW8082/NONE	069SS-0001M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	069SS-0001M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	54 U	17	54	33	UG/KG
SW8082/NONE	069SS-0001M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	54 U	17	54	33	UG/KG
SW8082/NONE	069SS-0001M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	41 J	17	54	33	UG/KG
SW8082/NONE	069SS-0002M-0001-SO	FD	1	PCB-1016 (Arochlor 1016)	66 U	21	66	33	UG/KG
SW8082/NONE	069SS-0002M-0001-SO	FD	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	069SS-0002M-0001-SO	FD	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	069SS-0002M-0001-SO	FD	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	069SS-0002M-0001-SO	FD	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	069SS-0002M-0001-SO	FD	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG
SW8082/NONE	069SS-0002M-0001-SO	FD	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG
SW8082/NONE	079SS-0004M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	65 U	21	65	33	UG/KG
SW8082/NONE	079SS-0004M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	079SS-0004M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	079SS-0004M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	079SS-0004M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	079SS-0004M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG
SW8082/NONE	079SS-0004M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG
SW8082/NONE	079SS-0005M-0001-SO	FD	1	PCB-1016 (Arochlor 1016)	65 U	21	65	33	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	079SS-0005M-0001-SO	FD	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	079SS-0005M-0001-SO	FD	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	079SS-0005M-0001-SO	FD	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	079SS-0005M-0001-SO	FD	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	079SS-0005M-0001-SO	FD	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG
SW8082/NONE	079SS-0005M-0001-SO	FD	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,1,2-Trichloroethane	5.1 U	0.39	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,1-Dichloroethane	5.1 U	0.36	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,1-Dichloroethene	5.1 U	0.53	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.1 U	0.51	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,2-Dichloroethane	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,2-Dichloroethene	10 U	0.78	10	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	1,2-Dichloropropane	5.1 U	0.7	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Benzene	5.1 U	0.23	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Bromochloromethane	5.1 U	0.72	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Bromodichloromethane	5.1 U	0.28	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Bromoform	5.1 U	0.33	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Bromomethane	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Carbon Disulfide	5.1 U	0.45	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Chlorobenzene	5.1 U	0.33	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Chloroethane	5.1 U	0.87	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Chloroform	5.1 U	0.29	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Chloromethane	5.1 U	0.41	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	cis-1,3-Dichloropropene	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Dibromochloromethane	5.1 U	0.56	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Ethylbenzene	5.1 U	0.26	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Methylene Chloride	5.1 U	0.68	5.1	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Styrene	5.1 U	0.15	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.1 U	0.43	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Tetrachloroethene (PCE)	5.1 U	0.53	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Toluene	5.1 U	0.27	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	trans-1,3-Dichloropropene	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Trichloroethene (TCE)	5.1 U	0.42	5.1	5	UG/KG
SW8260B/NONE	069SS-0001M-0001-SO	N	1	Vinyl Chloride	5.1 U	0.39	5.1	5	UG/KG
SW8260B/NONE	069SS-0002M-0001-SO	FD	1	1,2-Dichloroethene	9.1 U	0.7	9.1	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,1,1-Trichloroethane	5.8 U	0.64	5.8	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,1,2-Trichloroethane	5.9 U	0.46	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,1-Dichloroethane	5.9 U	0.42	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,1-Dichloroethene	5.9 U	0.61	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.9 U	0.59	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,2-Dichloroethane	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,2-Dichloroethene	12 U	0.9	12	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	1,2-Dichloropropane	5.9 U	0.81	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	2-Butanone (MEK)	23 U	1.6	23	20	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	2-Hexanone	23 U	0.74	23	20	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	23 U	0.63	23	20	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Acetone	23 U	7.3	23	20	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Benzene	5.9 U	0.27	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Bromochloromethane	5.9 U	0.83	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Bromodichloromethane	5.9 U	0.33	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Bromoform	5.9 U	0.39	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Bromomethane	5.9 U	0.63	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Carbon Disulfide	5.9 U	0.52	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Carbon Tetrachloride	5.8 U	0.43	5.8	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Chlorobenzene	5.9 U	0.39	5.9	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Chloroethane	5.9 U	1	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Chloroform	5.9 U	0.34	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Chloromethane	5.9 U	0.48	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	cis-1,3-Dichloropropene	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Dibromochloromethane	5.9 U	0.65	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Ethylbenzene	5.9 U	0.31	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Methylene Chloride	5.9 U	0.79	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Styrene	5.9 U	0.18	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.9 U	0.51	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Tetrachloroethene (PCE)	5.9 U	0.61	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Toluene	5.9 U	0.32	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	trans-1,3-Dichloropropene	5.9 U	0.63	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Trichloroethene (TCE)	5.9 U	0.49	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Vinyl Chloride	5.9 U	0.46	5.9	5	UG/KG
SW8260B/NONE	069SS-0003M-0001-SO	N	1	Xylenes, Total	12 U	0.79	12	10	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,1,1-Trichloroethane	5.5 U	0.62	5.5	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	6 U	0.41	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,1,2-Trichloroethane	6 U	0.47	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,1-Dichloroethane	6 U	0.43	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,1-Dichloroethene	6 U	0.63	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,2-Dibromoethane (EDB)	6 U	0.6	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,2-Dichloroethane	6 U	0.41	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,2-Dichloroethene	12 U	0.93	12	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	1,2-Dichloropropane	6 U	0.83	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	2-Butanone (MEK)	24 U	1.7	24	20	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	2-Hexanone	0.93 J	0.76	24	20	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	24 U	0.65	24	20	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Acetone	13 J	7	22	20	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Benzene	6 U	0.28	6	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Bromochloromethane	6 U	0.85	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Bromodichloromethane	6 U	0.34	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Bromoform	6 U	0.4	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Bromomethane	6 U	0.65	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Carbon Disulfide	6 U	0.53	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Carbon Tetrachloride	5.5 U	0.41	5.5	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Chlorobenzene	6 U	0.4	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Chloroethane	6 U	1	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Chloroform	6 U	0.35	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Chloromethane	6 U	0.49	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	cis-1,3-Dichloropropene	6 U	0.41	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Dibromochloromethane	6 U	0.66	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Ethylbenzene	6 U	0.31	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Methylene Chloride	6 U	0.81	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Styrene	6 U	0.18	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	6 U	0.52	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Tetrachloroethene (PCE)	6 U	0.63	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Toluene	6 U	0.32	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	trans-1,3-Dichloropropene	6 U	0.65	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Trichloroethene (TCE)	6 U	0.5	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Vinyl Chloride	6 U	0.47	6	5	UG/KG
SW8260B/NONE	069SS-0004M-0001-SO	N	1	Xylenes, Total	12 U	0.81	12	10	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,1,1-Trichloroethane	8.5 U	0.95	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	8.5 UJ	0.58	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,1,2-Trichloroethane	8.5 U	0.66	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,1-Dichloroethane	8.5 U	0.61	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,1-Dichloroethene	8.5 U	0.88	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,2-Dibromoethane (EDB)	8.5 U	0.85	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,2-Dichloroethane	8.5 U	0.58	8.5	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,2-Dichloroethene	17 U	1.3	17	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	1,2-Dichloropropane	8.5 U	1.2	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	2-Butanone (MEK)	34 U	2.4	34	20	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	2-Hexanone	34 U	1.1	34	20	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	34 U	0.92	34	20	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Acetone	34 U	11	34	20	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Benzene	8.5 U	0.39	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Bromochloromethane	8.5 U	1.2	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Bromodichloromethane	8.5 U	0.47	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Bromoform	8.5 U	0.56	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Bromomethane	8.5 U	0.92	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Carbon Disulfide	1.5 J	0.75	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Carbon Tetrachloride	8.5 U	0.63	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Chlorobenzene	8.5 U	0.56	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Chloroethane	8.5 U	1.5	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Chloroform	8.5 U	0.49	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Chloromethane	8.5 U	0.7	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	cis-1,3-Dichloropropene	8.5 UJ	0.58	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Dibromochloromethane	8.5 U	0.93	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Ethylbenzene	8.5 U	0.44	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Methylene Chloride	8.5 U	1.1	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Styrene	8.5 UJ	0.25	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	8.5 U	0.73	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Tetrachloroethene (PCE)	8.5 U	0.88	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Toluene	8.5 U	0.46	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	trans-1,3-Dichloropropene	8.5 U	0.92	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Trichloroethene (TCE)	8.5 U	0.71	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Vinyl Chloride	8.5 U	0.66	8.5	5	UG/KG
SW8260B/NONE	079SS-0004M-0001-SO	N	1	Xylenes, Total	17 U	1.1	17	10	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,1,1-Trichloroethane	6.8 U	0.76	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,1,2,2-Tetrachloroethane	6.8 UJ	0.46	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,1,2-Trichloroethane	6.8 U	0.53	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,1-Dichloroethane	6.8 U	0.49	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,1-Dichloroethene	6.8 U	0.71	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,2-Dibromoethane (EDB)	6.8 U	0.68	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,2-Dichloroethane	6.8 U	0.46	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,2-Dichloroethene	14 U	1	14	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	1,2-Dichloropropane	6.8 U	0.94	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	2-Butanone (MEK)	27 U	1.9	27	20	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	2-Hexanone	1.9 J	0.86	27	20	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	4-Methyl-2-pentanone (MIBK)	27 U	0.73	27	20	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Acetone	27 U	8.6	27	20	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Benzene	6.8 U	0.31	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Bromochloromethane	6.8 U	0.97	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Bromodichloromethane	6.8 U	0.38	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Bromoform	6.8 U	0.45	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Bromomethane	6.8 U	0.73	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Carbon Disulfide	1.3 J	0.6	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Carbon Tetrachloride	6.8 U	0.5	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Chlorobenzene	6.8 U	0.45	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Chloroethane	6.8 U	1.2	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Chloroform	6.8 U	0.39	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Chloromethane	6.8 U	0.56	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	cis-1,3-Dichloropropene	6.8 U	0.46	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Dibromochloromethane	6.8 U	0.75	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Ethylbenzene	6.8 U	0.35	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Methylene Chloride	6.8 U	0.91	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Styrene	6.8 U	0.2	6.8	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	tert-Butyl Methyl Ether (MTBE)	6.8 U	0.59	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Tetrachloroethene (PCE)	6.8 U	0.71	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Toluene	0.37 J	0.37	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	trans-1,3-Dichloropropene	6.8 U	0.73	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Trichloroethene (TCE)	6.8 U	0.57	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Vinyl Chloride	6.8 U	0.53	6.8	5	UG/KG
SW8260B/NONE	079SS-0005M-0001-SO	FD	1	Xylenes, Total	14 U	0.91	14	10	UG/KG
SW8260B/NONE	079SS-0006-0001-TB	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L
Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2,4,6-Trichlorophenol	750 U	400	750	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2,4-Dichlorophenol	750 U	100	750	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2,4-Dimethylphenol	750 U	100	750	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2,4-Dinitrophenol	1700 J	400	1700	800	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2,4-Dinitrotoluene	1000 U	140	1000	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2,6-Dinitrotoluene	1000 U	110	1000	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2-Methylphenol (o-Cresol)	1000 U	400	1000	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	2-Nitroaniline	1000 U	46	1000	800	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	3,3'-Dichlorobenzidine	500 U	91	500	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	3-Nitroaniline	1000 U	80	1000	800	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	4-Chloro-3-Methylphenol	750 U	110	750	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	4-Chloroaniline	750 U	86	750	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	4-Nitroaniline	1000 U	130	1000	800	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	4-Nitrophenol	1700 UJ	400	1700	800	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	Benzoic acid	3300 U	1700	3300	800	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	Benzyl alcohol	1700 U	110	1700	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	bis(2-Chloroethoxy) Methane	500 U	110	500	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	500 U	10	500	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	bis(2-Chloroisopropyl) Ether	500 U	48	500	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	Carbazole	250 U	140	250	50	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	069SS-0001M-0001-SO	N	5	Cresols, m & p	2000 U	100	2000	300	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	Hexachlorocyclopentadiene	1700 U	140	1700	330	UG/KG
SW8270C/NONE	069SS-0001M-0001-SO	N	5	Nitrobenzene	500 U	11	500	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	2,4,6-Trichlorophenol	600 U	320	600	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	2,4-Dichlorophenol	600 U	80	600	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	2,4-Dimethylphenol	600 U	80	600	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	2,4-Dinitrophenol	1300 J	320	1300	800	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	2,4-Dinitrotoluene	800 U	110	800	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	2,6-Dinitrotoluene	800 U	84	800	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	2-Methylphenol (o-Cresol)	800 U	320	800	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	3,3'-Dichlorobenzidine	400 U	72	400	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	4-Chloro-3-Methylphenol	600 U	84	600	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	4-Chloroaniline	600 U	68	600	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	4-Nitrophenol	1300 J	320	1300	800	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	Benzoic acid	2600 U	1300	2600	800	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	Benzyl alcohol	1300 U	84	1300	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	bis(2-Chloroethoxy) Methane	400 U	88	400	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	400 U	8	400	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	bis(2-Chloroisopropyl) Ether	400 U	38	400	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	Carbazole	200 U	110	200	50	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	Cresols, m & p	1600 U	80	1600	300	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	Hexachlorocyclopentadiene	1300 U	110	1300	330	UG/KG
SW8270C/NONE	069SS-0002M-0001-SO	FD	4	Nitrobenzene	400 U	8.8	400	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2,4,6-Trichlorophenol	610 U	320	610	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2,4-Dichlorophenol	610 U	81	610	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2,4-Dimethylphenol	610 U	81	610	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2,4-Dinitrophenol	1300 U	320	1300	800	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2,4-Dinitrotoluene	810 U	110	810	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2,6-Dinitrotoluene	810 U	85	810	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2-Methylphenol (o-Cresol)	810 U	320	810	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	2-Nitroaniline	810 U	37	810	800	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	3,3'-Dichlorobenzidine	400 U	73	400	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	3-Nitroaniline	810 U	65	810	800	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	4-Chloro-3-Methylphenol	610 U	85	610	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	4-Chloroaniline	610 U	69	610	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	4-Nitroaniline	810 U	100	810	800	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	4-Nitrophenol	1300 U	320	1300	800	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	Benzoic acid	2700 U	1300	2700	800	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	Benzyl alcohol	1300 U	85	1300	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	bis(2-Chloroethoxy) Methane	400 U	89	400	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	400 U	8.1	400	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	bis(2-Chloroisopropyl) Ether	400 U	38	400	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	Carbazole	200 U	110	200	50	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	Cresols, m & p	1600 U	81	1600	300	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	Hexachlorocyclopentadiene	1300 U	110	1300	330	UG/KG
SW8270C/NONE	069SS-0003M-0001-SO	N	4	Nitrobenzene	400 U	8.9	400	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	2,4,6-Trichlorophenol	590 U	320	590	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	2,4-Dichlorophenol	590 U	79	590	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	2,4-Dimethylphenol	590 U	79	590	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	2,4-Dinitrophenol	1300 U	320	1300	800	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	2,4-Dinitrotoluene	790 U	110	790	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	2,6-Dinitrotoluene	790 U	83	790	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	2-Methylphenol (o-Cresol)	790 U	320	790	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	3,3'-Dichlorobenzidine	400 U	71	400	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	4-Chloro-3-Methylphenol	590 U	83	590	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	4-Chloroaniline	590 U	67	590	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	4-Nitrophenol	1300 U	320	1300	800	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	Benzoic acid	2600 U	1300	2600	800	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Reporting Anomalies

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	069SS-0004M-0001-SO	N	4	Benzyl alcohol	1300 U	83	1300	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	bis(2-Chloroethoxy) Methane	400 U	87	400	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	400 U	7.9	400	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	bis(2-Chloroisopropyl) Ether	400 U	38	400	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	Carbazole	200 U	110	200	50	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	Cresols, m & p	1600 U	79	1600	300	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	Hexachlorocyclopentadiene	1300 U	110	1300	330	UG/KG
SW8270C/NONE	069SS-0004M-0001-SO	N	4	Nitrobenzene	400 U	8.7	400	330	UG/KG
SW8270C/NONE	079SS-0004M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	079SS-0005M-0001-SO	FD	1	Cresols, m & p	400 U	20	400	300	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Worksheet

SDG Name: 240-17477-1_(68,69,79-SW,SS)

Method: E353.2				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?		•		
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?	•			
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a duplicate sample prepared and analyzed with each batch?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were the MS/MSD recoveries and RPDs within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Was an Interference Check Standard (ICS) run at the beginning and end of every run?	•			
Was the ICS recovery within QAPP acceptance limits?	•			
If a field duplicate was analyzed, were the RPDs within criteria?		•		
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			MS and Duplicate
Were the MS/MSD within QAPP acceptance limits?		•		Sample 6: Sb and Mg recovered low.
Was a serial dilution prepared and analyzed with each batch?		•		Serial dilution was not performed in this SDG.
Was the serial dilution within QAPP acceptance limits?			•	
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW7470A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?		•		
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?	•			Both samples were reported as non-detects.
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			MS and Dup
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were the MS/MSD within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Method: SW7471A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW7471A

Review Questions	Yes	No	NA	Comment
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			Hg detected in the method blank
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?	•			
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			MS and Dup
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were the MS/MSD within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Method: SW8081

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW8081

Review Questions	Yes	No	NA	Comment
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?		•		All sample results were reported from CLP-2.
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			Only LCS
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?	•			RPD=50% (QC limits for soil)
Were the Breakdown products within QAPP acceptance limits?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	Diluted out MS/MSD analyzed at 50x
Were all QAPP-specified target analytes reported?				
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?		•		Sample7: Beta-BHC RPD=186; P1
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Were instrument run logs present and filled out appropriately?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW8082

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?	•			All sample results were reported from CLP-2.
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			Only LCS
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?	•			Both samples were reported as non-detects.
Were the Breakdown products within QAPP acceptance limits?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?	•			
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW8082

Review Questions	Yes	No	NA	Comment
Were sample preparation sheets present and filled out appropriately?	•			
Were instrument run logs present and filled out appropriately?	•			

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified PQLs achieved?				
Were all QAPP-specified target analytes reported?	•			
Was the GC/MS system properly tuned based on method criteria?	•			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	•			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	•			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	•			
If a linear regression curve was used, was the correlation coefficient within criteria?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Did the CCCs have a %Difference within QAPP acceptance limits?	•			
Were the average RFs for the SPCCs within QAPP acceptance limits?	•			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	•			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW8260B				
Review Questions	Yes	No	NA	Comment
Were the retention times for all IS compounds within QAPP acceptance limits?	•			
Are the area counts of all IS compounds within QAPP acceptance limits?		•		Low DCB in samples 6 and 7.
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?	•			
Was a field blank (equipment or trip) collected and analyzed at the required frequency?	•			
Were target analytes reported in the field blank analyses above the MDL?	•			Chloroform
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			Only LCS
Were the LCS/LCSD recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits?			•	
Was the duplicate RPD within QAPP acceptance limits?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?		•		
Were surrogate recoveries within QAPP acceptance limits?		•		BFB %R recovered high in samples 6 and 7
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			

Method: SW8270C				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?		•		Bis(2-ethylhexyl)phthalate in samples 6 and 7 were re-extracted and re-analyzed outside the holding time.
Were sample receipt temperatures met?	•			
Were QAPP specified PQLs achieved?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW8270C				
Review Questions	Yes	No	NA	Comment
Were all QAPP-specified target analytes reported?	•			
Was the GC/MS system properly tuned based on method criteria?	•			DFTPP
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	•			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	•			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	•			
If a linear regression curve was used, was the correlation coefficient within criteria?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria?		•		
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Did the CCCs have a %Difference within QAPP acceptance limits?	•			
Were the average RFs for the SPCCs within QAPP acceptance limits?	•			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	•			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	•			
Were the retention times for all IS compounds within QAPP acceptance limits?	•			
Are the area counts of all IS compounds within QAPP acceptance limits?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?	•			
Was a field blank (equipment or trip) collected and analyzed at the required frequency?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?		•		
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			Only LCS
Were the LCS/LCSD recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?	•			Sample 4: 3,3'-Dichlorobenzidine was not recovered n MS. Sample 6: Benzoic acid and 3,3'-Dichlorobenzidine were not recovered in both MS and MSD.
Were surrogate recoveries within QAPP acceptance limits?	•			
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample prepration sheets present and filled out appropriately?	•			

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample reciept temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?				
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?		•		%D for RDX, NB, 2-NT, 4-NT and PETN were >20%.
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17477-1_(68,69,79-SW,SS)

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			Only LCS
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?	•			Both samples were reported as non-detects
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?		•		
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?			•	All samples were non-detects.
Did PDA spectra for reported compounds match associated standard spectra?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Were instrument run logs present and filled out appropriately?	•			

WORKSHEET 2

Automated Data Review Summary for 240-17525-2

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AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Facility: Ravenna Army Ammunition Plant

Event: Fall 2012 SI/RI Sampling

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Otis Ang Base, MA

Data Review Contractor: ECC

SDG: 240-17525-2_69, Certified - 1/9/2014 by evinmckinney

QC Level: ADR

Project Manager: Al Easterday

Data Reviewer: JacksonKiker

Data Reviewer Title: Senior Chemist

Date of Review Report:

Second Reviewer: n/a

Completion Date of Second Reviewer:

Samples Included in SDG 240-17525-2_69

Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
SW6020/NONE	3	1

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Otis Ang Base, MA; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-17525-2_69. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Field Duplicate RPD
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Initial Calibration Verification

LCS RPD

Material Blank

MS RPD

Surrogate

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 2 results (2.27%) out of the 88 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
SW6020	

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Reviewed by JacksonKiker, Senior Chemist

Reviewed by n/a

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreeec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreeec C.
Y1	False Positive
Y2	Data rejected due to radiological anomalies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Batch Report

Test Method: SW6020; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
59218	59046	NA	LABQC	SQ	LABQC	MB 180-59046/1-A		1/1	20-Nov-2012 12:18 PM	20-Nov-2012 12:18 PM	21-Dec-2012 5:59 PM	LB
	59046	NA	LABQC	SQ	LABQC	LCS 180-59046/2-A		1/1	20-Nov-2012 12:18 PM	20-Nov-2012 12:18 PM	21-Dec-2012 6:03 PM	BS
	59046	NA	69-1048-DU1-SS	SO	069SS-0001M-0001- SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 12:18 PM	21-Dec-2012 6:07 PM	N
	59046	NA	69-1048-DU1-SS	SO	069SS-0001M-0001- SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 12:18 PM	21-Dec-2012 6:16 PM	LR
	59046	NA	69-1048-DU1-SS	SO	069SS-0001M-0001- SO	240-17525-1		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 12:18 PM	21-Dec-2012 6:20 PM	MS
	59046	NA	69-1048-DU1-SS	SO	069SS-0002M-0001- SO	240-17525-2		1/1	11-Nov-2012 9:15 AM	20-Nov-2012 12:18 PM	21-Dec-2012 6:47 PM	FD
	59046	NA	69-1048-DU2-SS	SO	069SS-0003M-0001- SO	240-17525-3		1/1	11-Nov-2012 10:15 AM	20-Nov-2012 12:18 PM	21-Dec-2012 6:52 PM	N
	59046	NA	69-1048-DU3-SS	SO	069SS-0004M-0001- SO	240-17525-4		1/1	11-Nov-2012 9:50 AM	20-Nov-2012 12:18 PM	21-Dec-2012 6:56 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6020 / TOTAL/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Aluminum	0.50 (MG/KG)	U/None	< 0.28	< 3	L		1	0.498
SW6020 / TOTAL/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Barium	0.024 (MG/KG)	U/None	< 0.011	< 1	L		1	0.0235
SW6020 / TOTAL/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Calcium	3.1 (MG/KG)	U/None	< 1.3	< 10	L		1	3.11
SW6020 / TOTAL/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Chromium	0.023 (MG/KG)	U/None	< 0.022	< 0.2	L		1	0.0232
SW6020 / TOTAL/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Iron	2.2 (MG/KG)	U/None	< 1.1	< 5	L		1	2.20
SW6020 / TOTAL/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Manganese	0.026 (MG/KG)	U/None	< 0.016	< 0.5	L		1	0.0259
SW6020 / TOTAL/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Zinc	0.068 (MG/KG)	U/None	< 0.065	< 0.5	L		1	0.0677
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Aluminum	222 (Percent)	J/None	80 - 120	30 - 125	M	Spike amount Insignificant	4.00	
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Antimony	22.1 (Percent)	J/R	80 - 120	30 - 125	M			
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Arsenic	75.3 (Percent)	J/UJ	80 - 120	30 - 125	M			
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Cadmium	78.8 (Percent)	J/UJ	80 - 120	30 - 125	M			
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Copper	73.0 (Percent)	J/UJ	80 - 120	30 - 125	M			
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Iron	144 (Percent)	J/None	80 - 120	30 - 125	M	Spike amount Insignificant	4.00	
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Manganese	211 (Percent)	J/None	80 - 120	30 - 125	M	Spike amount Insignificant	4.00	
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Selenium	64.5 (Percent)	J/UJ	80 - 120	30 - 125	M			
SW6020 / TOTAL/NONE	MS Recovery	069SS-0001M-0001-SO (MS) / 240-17525-1	1 / 1.00	Zinc	6.7 (Percent)	J/R	80 - 120	30 - 125	M	Spike amount Insignificant	4.00	

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Antimony	0.18	0.14 J	0.14 J	-	MG/KG	TR
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Calcium	8.9	5300	5300 J		MG/KG	A
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Silver	0.089	0.034 J	0.034 J		MG/KG	TR
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Thallium	0.089	0.23	0.23 J		MG/KG	D1
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Antimony	0.19	0.16 J	0.16 J	-	MG/KG	TR
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Silver	0.094	0.035 J	0.035 J		MG/KG	TR
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Antimony	0.17	0.16 J	0.16 J		MG/KG	TR
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Silver	0.085	0.032 J	0.032 J		MG/KG	TR
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Antimony	0.16	0.13 J	0.13 J		MG/KG	TR
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Silver	0.079	0.045 J	0.045 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Silver	0.089	0.034 J	0.034 J	MG/KG	TR
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Aluminum	2.7	14000 J	14000	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Arsenic	0.089	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Barium	0.89	76.0 Q	76.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Beryllium	0.089	0.82	0.82	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Calcium	8.9	5300	5300 J	MG/KG	A
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Cadmium	0.089	0.29	0.29	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Cobalt	0.045	11.0 Q	11.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Chromium	0.18	24.0	24.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Copper	0.18	19.0 Q	19.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Iron	4.5	24000	24000	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Potassium	8.9	1500	1500	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Magnesium	8.9	3900	3900	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Manganese	0.45	430 Q J	430	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Sodium	8.9	53.0	53.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Nickel	0.089	27.0 Q	27.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Lead	0.089	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Antimony	0.18	0.14 J	0.14 J -	MG/KG	TR
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Selenium	0.45	0.78	0.78	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Thallium	0.089	0.23	0.23 J	MG/KG	D1
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Vanadium	0.089	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SS-0001M-0001-SO	240-17525-1	N	Zinc	0.45	79.0 Q	79.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Silver	0.094	0.035 J	0.035 J	MG/KG	TR
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Aluminum	2.8	13000	13000	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Arsenic	0.094	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Barium	0.94	74.0 Q	74.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Beryllium	0.094	0.75	0.75	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Calcium	9.4	5000	5000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Cadmium	0.094	0.27	0.27	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Cobalt	0.047	11.0 Q	11.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Chromium	0.19	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Copper	0.19	30.0 Q	30.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Iron	4.7	24000	24000	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Potassium	9.4	1200	1200	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Magnesium	9.4	3800	3800	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Manganese	0.47	480 Q	480	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Sodium	9.4	52.0	52.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Nickel	0.094	24.0 Q	24.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Lead	0.094	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Antimony	0.19	0.16 J	0.16 J -	MG/KG	TR
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Selenium	0.47	0.71	0.71	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Thallium	0.094	0.18	0.18	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Vanadium	0.094	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SS-0002M-0001-SO	240-17525-2	FD	Zinc	0.47	78.0 Q	78.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Silver	0.085	0.032 J	0.032 J	MG/KG	TR
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Aluminum	2.5	11000	11000	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Arsenic	0.085	8.6	8.6	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Barium	0.85	65.0 Q	65.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Beryllium	0.085	0.63	0.63	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Calcium	8.5	7700	7700	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Cadmium	0.085	0.19	0.19	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Cobalt	0.042	8.1 Q	8.1	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Chromium	0.17	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Copper	0.17	11.0 Q	11.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Iron	4.2	20000	20000	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Potassium	8.5	830	830	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Magnesium	8.5	2800	2800	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Manganese	0.42	570 Q	570	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Sodium	8.5	47.0	47.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Nickel	0.085	16.0 Q	16.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Lead	0.085	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Antimony	0.17	0.16 J	0.16 J	MG/KG	TR
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Selenium	0.42	0.71	0.71	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Thallium	0.085	0.15	0.15	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Vanadium	0.085	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SS-0003M-0001-SO	240-17525-3	N	Zinc	0.42	41.0 Q	41.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Silver	0.079	0.045 J	0.045 J	MG/KG	TR
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Aluminum	2.4	14000	14000	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Arsenic	0.079	9.8	9.8	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Barium	0.79	100 Q	100	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Beryllium	0.079	0.82	0.82	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Calcium	7.9	25000	25000	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Cadmium	0.079	0.32	0.32	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Cobalt	0.040	11.0 Q	11.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Chromium	0.16	22.0	22.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Copper	0.16	17.0 Q	17.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Iron	4.0	24000	24000	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Potassium	7.9	1500	1500	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Magnesium	7.9	4800	4800	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Manganese	0.40	560 Q	560	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Sodium	7.9	88.0	88.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Nickel	0.079	26.0 Q	26.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Lead	0.079	28.0	28.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Antimony	0.16	0.13 J	0.13 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Selenium	0.40	0.75	0.75	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Thallium	0.079	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Vanadium	0.079	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SS-0004M-0001-SO	240-17525-4	N	Zinc	0.40	64.0 Q	64.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Reporting Anomalies

--No Records Found--

Worksheet

SDG Name: 240-17525-2_69

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			ECC shipped samples on ice to lab per QAPP. Lab shipped samples to affiliate lab without ice. The 6020 method does not require temperature control as a preservative with out ice.
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17525-2_69

Method: SW6020

Review Questions	Yes	No	NA	Comment
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			Al, Ba, Ca, Cr, Fe, Mn, Zn in MB and Mn in CCB. All samples below evaluation criteria
Was a field blank collected and analyzed?	•			
Were target analytes reported in the field blank analyses above the MDL?		•		
Was an Interference Check Standard (ICS) run at the beginning and end of every run?	•			
Was the ICS recovery within QAPP acceptance limits?	•			
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?	•			
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the MRL recoveries within 70-130% limits?	•			
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were the MS/MSD within QAPP acceptance limits?		•		spike levels were less than 4X the native concentration, so no qualifications were required.
Was a post digestion spike needed and if so was it within QAPP acceptance limits?	•			spike levels were low compared to sample levels.
Was a serial dilution prepared and analyzed with each batch?	•			
Was the serial dilution within QAPP acceptance limits?		•		#1 Ca > limit
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			ICSA detections were not due to instrument tuning issues
Are all samples associated with QC non-compliances flagged appropriately?	•			Lab duplicate sample#1>TI
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			



Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-17525-2_69

Location Analysis

69-1048-DU1-SS SW6020

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Aluminum	14000	13000	2.70	7.41	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Antimony	0.140	0.160	0.180	13.3	50	NA	OK
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Arsenic	10.0	10.0	0.0890	0.00	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Barium	76.0	74.0	0.890	2.67	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Beryllium	0.820	0.750	0.0890	8.92	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Cadmium	0.290	0.270	0.0890	7.14	50	NA	OK
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Calcium	5300	5000	8.90	5.83	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Chromium	24.0	19.0	0.180	23.3	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Cobalt	11.0	11.0	0.0450	0.00	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Copper	19.0	30.0	0.180	44.9	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Iron	24000	24000	4.50	0.00	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Lead	19.0	19.0	0.0890	0.00	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Magnesium	3900	3800	8.90	2.60	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Manganese	430	480	0.450	11.0	50	OK	NA

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil



Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-17525-2_69

Location **Analysis**

69-1048-DU1-SS SW6020

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Nickel	27.0	24.0	0.0890	11.8	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Potassium	1500	1200	8.90	22.2	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Selenium	0.780	0.710	0.450	9.40	50	NA	OK
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Silver	0.0340	0.0350	0.0890	2.90	50	NA	OK
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Sodium	53.0	52.0	8.90	1.90	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Thallium	0.230	0.180	0.0890	24.4	50	NA	OK
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Vanadium	21.0	20.0	0.0890	4.88	50	OK	NA
069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Zinc	79.0	78.0	0.450	1.27	50	OK	NA

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

WORKSHEET 3

Automated Data Review Summary for 240-17602-1

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AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Facility: Ravenna Army Ammunition Plant

Event: Fall 2012 SI/RI Sampling

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Otis Ang Base, MA

Data Review Contractor: ECC

SDG: 240-17602-1_(69-SB), Certified - 3/4/2013 by FrederickRoche

QC Level: ADR

Project Manager:

Data Reviewer: Samir A. Naguib

Data Reviewer Title:

Date of Review Report: April 05, 2013

Samples Included in SDG 240-17602-1_(69-SB)

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW7471A/NONE	22		0	
SW8260B/NONE	22	2	0	0
SW8270C/NONE	22		0	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Otis Ang Base, MA; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-17602-1_(69-SB). Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Field Duplicate RPD

Initial Calibration Verification

Lab Replicate RPD

LCS RPD

Material Blank

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 289 results (12.37%) out of the 2336 results (sample and field QC samples) reported are qualified based on review and 20 results (0.86%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
SW7471A	
SW8260B	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

SW8270C	
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Reviewed by Samir A. Naguib,

05-Apr-2013

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreeec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreeec C.
Y1	False Positive
Y2	Data rejected due to radiological anomalies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Batch Report

Test Method: SW7471A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67078	65780	NA	LABQC	SQ	LABQC	MB 240-65780/1-A		1/1	20-Nov-2012 2:55 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:00 PM	LB
	65780	NA	LABQC	SQ	LABQC	LCS 240-65780/2-A		1/1	20-Nov-2012 2:55 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:02 PM	BS
	65780	NA	69-1048-DU2-SB	SO	069SB-0006M-0001-SO	240-17602-2		1/1	12-Nov-2012 11:15 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:11 PM	N
	65780	NA	69-1048-DU2-SB3	SO	069SB-0009M-0001-SO	240-17602-5		1/1	12-Nov-2012 12:10 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:17 PM	N
	65780	NA	69-1048-DU2-SB4	SO	069SB-0010M-0001-SO	240-17602-6		1/1	12-Nov-2012 12:55 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:18 PM	N
	65780	NA	69-1048-DU3-SB1	SO	069SB-0014M-0001-SO	240-17602-10		1/1	12-Nov-2012 2:30 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:19 PM	N
	65780	NA	69-1048-DU2-SB2	SO	069SB-0008M-0001-SO	240-17602-4		1/1	12-Nov-2012 11:55 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:20 PM	N
	65780	NA	69-1048-DU2-SB	SO	069SB-0005M-0001-SO	240-17602-1		1/1	12-Nov-2012 11:10 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:26 PM	N
	65780	NA	69-1048-DU3-SB	SO	069SB-0012M-0001-SO	240-17602-8		1/1	12-Nov-2012 2:15 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:27 PM	N
	65780	NA	69-1048-DU2-SB5	SO	069SB-0011M-0001-SO	240-17602-7		1/1	12-Nov-2012 1:05 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:29 PM	N
	65780	NA	69-1048-DU3-SB	SO	069SB-0013M-0001-SO	240-17602-9		1/1	12-Nov-2012 2:20 PM	20-Nov-2012 2:55 PM	30-Nov-2012 3:39 PM	N
	65780	NA	69-1048-DU2-SB1	SO	069SB-0007M-0001-SO	240-17602-3		1/1	12-Nov-2012 11:30 AM	20-Nov-2012 2:55 PM	30-Nov-2012 3:40 PM	N
	65940	NA	LABQC	SQ	LABQC	MB 240-65940/1-A		1/1	21-Nov-2012 2:30 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:42 PM	LB
	65940	NA	LABQC	SQ	LABQC	LCS 240-65940/2-A		1/1	21-Nov-2012 2:30 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:43 PM	BS
	65940	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:44 PM	N
	65940	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:46 PM	SD
	65940	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:47 PM	MS
	65940	NA	69-1048-DU1-SB3	SO	069SB-0024M-0001-SO	240-17602-20		1/1	12-Nov-2012 5:25 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:48 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Batch Report

Test Method: SW7471A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67078	65940	NA	69-1048-DU1-SB	SO	069SB-0020M-0001-SO	240-17602-16		1/1	12-Nov-2012 5:42 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:50 PM	N
	65940	NA	69-1048-DU3-SB3	SO	069SB-0016M-0001-SO	240-17602-12		1/1	12-Nov-2012 3:20 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:54 PM	N
	65940	NA	69-1048-DU1-SB5	SO	069SB-0026M-0001-SO	240-17602-22		1/1	12-Nov-2012 5:45 AM	21-Nov-2012 2:30 PM	30-Nov-2012 3:55 PM	N
	65940	NA	69-1048-DU1-SB4	SO	069SB-0025M-0001-SO	240-17602-21		1/1	12-Nov-2012 5:15 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:57 PM	N
	65940	NA	69-1048-DU1-SB1	SO	069SB-0022M-0001-SO	240-17602-18		1/1	12-Nov-2012 4:50 PM	21-Nov-2012 2:30 PM	30-Nov-2012 3:58 PM	N
	65940	NA	69-1048-DU1-SB	SO	069SB-0021M-0001-SO	240-17602-17		1/1	12-Nov-2012 5:47 PM	21-Nov-2012 2:30 PM	30-Nov-2012 4:02 PM	N
	65940	NA	69-1048-DU1-SB2	SO	069SB-0023M-0001-SO	240-17602-19		1/1	12-Nov-2012 5:10 PM	21-Nov-2012 2:30 PM	30-Nov-2012 4:04 PM	N
	65940	NA	69-1048-DU3-SB5	SO	069SB-0018M-0001-SO	240-17602-14		1/1	12-Nov-2012 4:15 PM	21-Nov-2012 2:30 PM	30-Nov-2012 4:11 PM	N
	65940	NA	69-1048-DU3-SB4	SO	069SB-0017M-0001-SO	240-17602-13		1/1	12-Nov-2012 3:50 PM	21-Nov-2012 2:30 PM	30-Nov-2012 4:13 PM	N
	66302	NA	LABQC	SQ	LABQC	MB 240-66302/1-A		1/1	26-Nov-2012 2:45 PM	26-Nov-2012 2:45 PM	30-Nov-2012 2:20 PM	LB
	66302	NA	LABQC	SQ	LABQC	LCS 240-66302/2-A		1/1	26-Nov-2012 2:45 PM	26-Nov-2012 2:45 PM	30-Nov-2012 2:22 PM	BS
	66302	NA	69-1048-DU3-SB1	SO	069SB-0019M-0001-SO	240-17602-15		1/1	12-Nov-2012 4:30 PM	26-Nov-2012 2:45 PM	30-Nov-2012 2:43 PM	N

Test Method: SW8260B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66014	NA	NA	LABQC	SQ	LABQC	LCS 240-66014/5		1/1	22-Nov-2012 12:18 AM		22-Nov-2012 12:18 AM	BS
	NA	NA	LABQC	SQ	LABQC	MB 240-66014/7		1/1	22-Nov-2012 1:01 AM		22-Nov-2012 1:01 AM	LB
66020	NA	NA	LABQC	SQ	LABQC	LCS 240-66020/7		1/1	22-Nov-2012 11:09 AM		22-Nov-2012 11:09 AM	BS
	NA	NA	LABQC	SQ	LABQC	MB 240-66020/8		1/1	22-Nov-2012 11:31 AM		22-Nov-2012 11:31 AM	LB

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Batch Report

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66063	NA	NA	LABQC	SQ	LABQC	LCS 240-66063/16		1/1	23-Nov-2012 2:51 PM		23-Nov-2012 2:51 PM	BS
	NA	NA	LABQC	SQ	LABQC	MB 240-66063/17		1/1	23-Nov-2012 3:13 PM		23-Nov-2012 3:13 PM	LB
66175	NA	NA	LABQC	SQ	LABQC	LCS 240-66175/7		1/1	25-Nov-2012 9:38 AM		25-Nov-2012 9:38 AM	BS
	NA	NA	LABQC	SQ	LABQC	MB 240-66175/8		1/1	25-Nov-2012 9:59 AM		25-Nov-2012 9:59 AM	LB
66020	65668	NA	69-1048-DU2-SB2	SO	069SB-0008M-0001-SO	240-17602-4		2/1	12-Nov-2012 11:55 AM	14-Nov-2012 12:16 AM	22-Nov-2012 4:32 PM	N
66014	65668	NA	69-1048-DU2-SB	SO	069SB-0005M-0001-SO	240-17602-1		1/1	12-Nov-2012 11:10 AM	14-Nov-2012 9:40 AM	22-Nov-2012 5:08 AM	N
	65668	NA	69-1048-DU2-SB	SO	069SB-0006M-0001-SO	240-17602-2		1/1	12-Nov-2012 11:15 AM	14-Nov-2012 9:40 AM	22-Nov-2012 5:30 AM	N
	65668	NA	69-1048-DU2-SB1	SO	069SB-0007M-0001-SO	240-17602-3		1/1	12-Nov-2012 11:30 AM	14-Nov-2012 9:40 AM	22-Nov-2012 5:51 AM	N
	65668	NA	69-1048-DU2-SB2	SO	069SB-0008M-0001-SO	240-17602-4		1/1	12-Nov-2012 11:55 AM	14-Nov-2012 9:40 AM	22-Nov-2012 6:12 AM	N
	65668	NA	69-1048-DU2-SB3	SO	069SB-0009M-0001-SO	240-17602-5		1/1	12-Nov-2012 12:10 PM	14-Nov-2012 9:40 AM	22-Nov-2012 6:34 AM	N
	65668	NA	69-1048-DU2-SB4	SO	069SB-0010M-0001-SO	240-17602-6		1/1	12-Nov-2012 12:55 PM	14-Nov-2012 9:40 AM	22-Nov-2012 6:55 AM	N
	65668	NA	69-1048-DU2-SB5	SO	069SB-0011M-0001-SO	240-17602-7		1/1	12-Nov-2012 1:05 PM	14-Nov-2012 9:40 AM	22-Nov-2012 7:16 AM	N
	65668	NA	69-1048-DU3-SB	SO	069SB-0012M-0001-SO	240-17602-8		1/1	12-Nov-2012 2:15 PM	14-Nov-2012 9:40 AM	22-Nov-2012 7:37 AM	N
	65668	NA	69-1048-DU3-SB	SO	069SB-0013M-0001-SO	240-17602-9		1/1	12-Nov-2012 2:20 PM	14-Nov-2012 9:40 AM	22-Nov-2012 7:59 AM	N
	65668	NA	69-1048-DU3-SB1	SO	069SB-0014M-0001-SO	240-17602-10		1/1	12-Nov-2012 2:30 PM	14-Nov-2012 9:40 AM	22-Nov-2012 8:20 AM	N
	65668	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	14-Nov-2012 9:40 AM	22-Nov-2012 8:41 AM	N
	65668	NA	69-1048-DU3-SB3	SO	069SB-0016M-0001-SO	240-17602-12		1/1	12-Nov-2012 3:20 PM	14-Nov-2012 9:40 AM	22-Nov-2012 9:02 AM	N
	65668	NA	69-1048-DU3-SB4	SO	069SB-0017M-0001-SO	240-17602-13		1/1	12-Nov-2012 3:50 PM	14-Nov-2012 9:40 AM	22-Nov-2012 9:24 AM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Batch Report

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66014	65668	NA	69-1048-DU3-SB5	SO	069SB-0018M-0001-SO	240-17602-14		1/1	12-Nov-2012 4:15 PM	14-Nov-2012 9:40 AM	22-Nov-2012 9:45 AM	N
66020	65668	NA	69-1048-DU2-SB	SO	069SB-0005M-0001-SO	240-17602-1		2/1	12-Nov-2012 11:10 AM	14-Nov-2012 9:40 AM	22-Nov-2012 3:28 PM	N
	65668	NA	69-1048-DU2-SB	SO	069SB-0006M-0001-SO	240-17602-2		2/1	12-Nov-2012 11:15 AM	14-Nov-2012 9:40 AM	22-Nov-2012 3:49 PM	N
	65668	NA	69-1048-DU2-SB1	SO	069SB-0007M-0001-SO	240-17602-3		2/1	12-Nov-2012 11:30 AM	14-Nov-2012 9:40 AM	22-Nov-2012 4:11 PM	N
	65668	NA	69-1048-DU2-SB3	SO	069SB-0009M-0001-SO	240-17602-5		2/1	12-Nov-2012 12:10 PM	14-Nov-2012 9:40 AM	22-Nov-2012 4:54 PM	N
	65668	NA	69-1048-DU2-SB4	SO	069SB-0010M-0001-SO	240-17602-6		2/1	12-Nov-2012 12:55 PM	14-Nov-2012 9:40 AM	22-Nov-2012 5:16 PM	N
	65668	NA	69-1048-DU2-SB5	SO	069SB-0011M-0001-SO	240-17602-7		2/1	12-Nov-2012 1:05 PM	14-Nov-2012 9:40 AM	22-Nov-2012 5:37 PM	N
	65668	NA	69-1048-DU3-SB	SO	069SB-0012M-0001-SO	240-17602-8		2/1	12-Nov-2012 2:15 PM	14-Nov-2012 9:40 AM	22-Nov-2012 5:59 PM	N
	65668	NA	69-1048-DU3-SB	SO	069SB-0013M-0001-SO	240-17602-9		2/1	12-Nov-2012 2:20 PM	14-Nov-2012 9:40 AM	22-Nov-2012 6:20 PM	N
	65668	NA	69-1048-DU3-SB1	SO	069SB-0014M-0001-SO	240-17602-10		2/1	12-Nov-2012 2:30 PM	14-Nov-2012 9:40 AM	22-Nov-2012 6:42 PM	N
	65668	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		2/1	12-Nov-2012 2:45 PM	14-Nov-2012 9:40 AM	22-Nov-2012 7:03 PM	N
	65668	NA	69-1048-DU3-SB3	SO	069SB-0016M-0001-SO	240-17602-12		2/1	12-Nov-2012 3:20 PM	14-Nov-2012 9:40 AM	22-Nov-2012 7:25 PM	N
	65668	NA	69-1048-DU3-SB4	SO	069SB-0017M-0001-SO	240-17602-13		2/1	12-Nov-2012 3:50 PM	14-Nov-2012 9:40 AM	22-Nov-2012 7:46 PM	N
66063	65668	NA	69-1048-DU3-SB1	SO	069SB-0019M-0001-SO	240-17602-15		1/1	12-Nov-2012 4:30 PM	14-Nov-2012 9:40 AM	23-Nov-2012 3:34 PM	N
	65668	NA	69-1048-DU1-SB	SO	069SB-0020M-0001-SO	240-17602-16		1/1	12-Nov-2012 5:42 PM	14-Nov-2012 9:40 AM	23-Nov-2012 3:56 PM	N
	65668	NA	69-1048-DU1-SB	SO	069SB-0021M-0001-SO	240-17602-17		1/1	12-Nov-2012 5:47 PM	14-Nov-2012 9:40 AM	23-Nov-2012 4:17 PM	N
	65668	NA	69-1048-DU1-SB1	SO	069SB-0022M-0001-SO	240-17602-18		1/1	12-Nov-2012 4:50 PM	14-Nov-2012 9:40 AM	23-Nov-2012 4:39 PM	N
	65668	NA	69-1048-DU1-SB3	SO	069SB-0024M-0001-SO	240-17602-20		1/1	12-Nov-2012 5:25 PM	14-Nov-2012 9:40 AM	23-Nov-2012 5:22 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Batch Report

Test Method: SW8260B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66063	65668	NA	69-1048-DU1-SB5	SO	069SB-0026M-0001-SO	240-17602-22		1/1	12-Nov-2012 5:45 AM	14-Nov-2012 9:40 AM	23-Nov-2012 6:05 PM	N
66175	65668	NA	69-1048-DU1-SB2	SO	069SB-0023M-0001-SO	240-17602-19		1/1	12-Nov-2012 5:10 PM	14-Nov-2012 9:40 AM	25-Nov-2012 1:35 PM	N
	65668	NA	69-1048-DU1-SB4	SO	069SB-0025M-0001-SO	240-17602-21		1/1	12-Nov-2012 5:15 PM	14-Nov-2012 9:40 AM	25-Nov-2012 1:56 PM	N
65929	65929	NA	LABQC	WQ	LABQC	LCS 240-65929/4		1/1	21-Nov-2012 11:14 AM	21-Nov-2012 11:14 AM	21-Nov-2012 11:14 AM	BS
	65929	NA	LABQC	WQ	LABQC	MB 240-65929/6		1/1	21-Nov-2012 11:58 AM	21-Nov-2012 11:58 AM	21-Nov-2012 11:58 AM	LB
	65929	NA	69-1048-DU1-SB4	WG	069SB-0027M-0001-SO	240-17602-23		1/1	12-Nov-2012 8:00 AM	21-Nov-2012 3:40 PM	21-Nov-2012 3:40 PM	N
	65929	NA	69-1048-DU1-SB5	WG	069SB-0028M-0001-SO	240-17602-24		1/1	12-Nov-2012 8:00 AM	21-Nov-2012 4:02 PM	21-Nov-2012 4:02 PM	N

Test Method: SW8270C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66529	65931	NA	LABQC	SQ	LABQC	MB 240-65931/23-A		1/1	21-Nov-2012 11:29 AM	21-Nov-2012 11:29 AM	28-Nov-2012 9:22 AM	LB
	65931	NA	LABQC	SQ	LABQC	LCS 240-65931/24-A		1/1	21-Nov-2012 11:29 AM	21-Nov-2012 11:29 AM	28-Nov-2012 9:45 AM	BS
	65931	NA	69-1048-DU2-SB	SO	069SB-0005M-0001-SO	240-17602-1		1/1	12-Nov-2012 11:10 AM	21-Nov-2012 11:29 AM	28-Nov-2012 2:01 PM	N
	65931	NA	69-1048-DU2-SB	SO	069SB-0006M-0001-SO	240-17602-2		1/1	12-Nov-2012 11:15 AM	21-Nov-2012 11:29 AM	28-Nov-2012 2:25 PM	N
	65931	NA	69-1048-DU2-SB1	SO	069SB-0007M-0001-SO	240-17602-3		1/1	12-Nov-2012 11:30 AM	21-Nov-2012 11:29 AM	28-Nov-2012 2:48 PM	N
	65931	NA	69-1048-DU2-SB2	SO	069SB-0008M-0001-SO	240-17602-4		1/1	12-Nov-2012 11:55 AM	21-Nov-2012 11:29 AM	28-Nov-2012 3:11 PM	N
66717	65935	NA	LABQC	SQ	LABQC	MB 240-65935/23-A		1/1	21-Nov-2012 11:41 AM	21-Nov-2012 11:41 AM	29-Nov-2012 11:00 AM	LB
	65935	NA	LABQC	SQ	LABQC	LCS 240-65935/24-A		1/1	21-Nov-2012 11:41 AM	21-Nov-2012 11:41 AM	29-Nov-2012 11:23 AM	BS
	65935	NA	69-1048-DU1-SB2	SO	069SB-0023M-0001-SO	240-17602-19		1/1	12-Nov-2012 5:10 PM	21-Nov-2012 11:41 AM	29-Nov-2012 12:10 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Batch Report

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66717	65935	NA	69-1048-DU1-SB2	SO	069SB-0023M-0001-SO	240-17602-19		1/1	12-Nov-2012 5:10 PM	21-Nov-2012 11:41 AM	29-Nov-2012 12:33 PM	MS
	65935	NA	69-1048-DU1-SB2	SO	069SB-0023M-0001-SO	240-17602-19		1/1	12-Nov-2012 5:10 PM	21-Nov-2012 11:41 AM	29-Nov-2012 12:56 PM	SD
	65935	NA	69-1048-DU1-SB1	SO	069SB-0022M-0001-SO	240-17602-18		1/1	12-Nov-2012 4:50 PM	21-Nov-2012 11:41 AM	29-Nov-2012 1:20 PM	N
	65935	NA	69-1048-DU3-SB1	SO	069SB-0019M-0001-SO	240-17602-15		1/1	12-Nov-2012 4:30 PM	21-Nov-2012 11:41 AM	29-Nov-2012 1:43 PM	N
	65935	NA	69-1048-DU1-SB	SO	069SB-0020M-0001-SO	240-17602-16		1/1	12-Nov-2012 5:42 PM	21-Nov-2012 11:41 AM	29-Nov-2012 2:06 PM	N
	65935	NA	69-1048-DU1-SB	SO	069SB-0021M-0001-SO	240-17602-17		1/1	12-Nov-2012 5:47 PM	21-Nov-2012 11:41 AM	29-Nov-2012 2:29 PM	N
	65935	NA	69-1048-DU2-SB4	SO	069SB-0010M-0001-SO	240-17602-6		1/1	12-Nov-2012 12:55 PM	21-Nov-2012 11:41 AM	29-Nov-2012 2:53 PM	N
	65935	NA	69-1048-DU3-SB3	SO	069SB-0016M-0001-SO	240-17602-12		1/1	12-Nov-2012 3:20 PM	21-Nov-2012 11:41 AM	29-Nov-2012 3:16 PM	N
	65935	NA	69-1048-DU3-SB4	SO	069SB-0017M-0001-SO	240-17602-13		1/1	12-Nov-2012 3:50 PM	21-Nov-2012 11:41 AM	29-Nov-2012 3:39 PM	N
	65935	NA	69-1048-DU3-SB5	SO	069SB-0018M-0001-SO	240-17602-14		1/1	12-Nov-2012 4:15 PM	21-Nov-2012 11:41 AM	29-Nov-2012 4:03 PM	N
	65935	NA	69-1048-DU2-SB5	SO	069SB-0011M-0001-SO	240-17602-7		1/1	12-Nov-2012 1:05 PM	21-Nov-2012 11:41 AM	29-Nov-2012 4:26 PM	N
	65935	NA	69-1048-DU2-SB3	SO	069SB-0009M-0001-SO	240-17602-5		1/1	12-Nov-2012 12:10 PM	21-Nov-2012 11:41 AM	29-Nov-2012 4:49 PM	N
	65935	NA	69-1048-DU3-SB	SO	069SB-0012M-0001-SO	240-17602-8		1/1	12-Nov-2012 2:15 PM	21-Nov-2012 11:41 AM	29-Nov-2012 5:13 PM	N
	65935	NA	69-1048-DU3-SB	SO	069SB-0013M-0001-SO	240-17602-9		1/1	12-Nov-2012 2:20 PM	21-Nov-2012 11:41 AM	29-Nov-2012 5:36 PM	N
	65935	NA	69-1048-DU3-SB1	SO	069SB-0014M-0001-SO	240-17602-10		1/1	12-Nov-2012 2:30 PM	21-Nov-2012 11:41 AM	29-Nov-2012 5:59 PM	N
	65935	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	21-Nov-2012 11:41 AM	29-Nov-2012 6:22 PM	N
67368	66076	NA	LABQC	SQ	LABQC	MB 240-66076/21-A		1/1	23-Nov-2012 10:01 AM	23-Nov-2012 10:01 AM	05-Dec-2012 11:01 AM	LB
	66076	NA	LABQC	SQ	LABQC	LCS 240-66076/22-A		1/1	23-Nov-2012 10:01 AM	23-Nov-2012 10:01 AM	05-Dec-2012 11:26 AM	BS

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Batch Report

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67368	66076	NA	69-1048-DU1-SB3	SO	069SB-0024M-0001- SO	240-17602-20		1/1	12-Nov-2012 5:25 PM	23-Nov-2012 10:01 AM	05-Dec-2012 11:51 AM	N
	66076	NA	69-1048-DU1-SB4	SO	069SB-0025M-0001- SO	240-17602-21		1/1	12-Nov-2012 5:15 PM	23-Nov-2012 10:01 AM	05-Dec-2012 12:16 PM	N
	66076	NA	69-1048-DU1-SB5	SO	069SB-0026M-0001- SO	240-17602-22		1/1	12-Nov-2012 5:45 AM	23-Nov-2012 10:01 AM	05-Dec-2012 12:41 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8260B / SW5030B/NONE	Blank	MB 240-65929/6 (LB) / MB 240-65929/6	1 / 1.00	Methylene Chloride	1.7 (UG/L)	U/None	< 0.33	< 1	L		2	3.32
SW8260B / SW5035/NONE	Blank	MB 240-66014/7 (LB) / MB 240-66014/7	1 / 1.00	2-Hexanone	0.78 (UG/KG)	U/None	< 0.63	< 20	L		1	0.780
SW8260B / SW5035/NONE	Blank	MB 240-66014/7 (LB) / MB 240-66014/7	1 / 1.00	Methylene Chloride	2.8 (UG/KG)	U/None	< 0.67	< 5	L		2	5.66
SW8260B / SW5035/NONE	Blank	MB 240-66020/8 (LB) / MB 240-66020/8	1 / 1.00	Acetone	18.3 (UG/KG)	U/None	< 6.3	< 20	L		2	36.6
SW8260B / SW5035/NONE	Blank	MB 240-66063/17 (LB) / MB 240-66063/17	1 / 1.00	2-Butanone (MEK)	1.8 (UG/KG)	U/None	< 1.4	< 20	L		2	3.52
SW8260B / SW5035/NONE	Blank	MB 240-66063/17 (LB) / MB 240-66063/17	1 / 1.00	2-Hexanone	0.83 (UG/KG)	U/None	< 0.63	< 20	L		1	0.834
SW8260B / SW5035/NONE	Blank	MB 240-66063/17 (LB) / MB 240-66063/17	1 / 1.00	Acetone	13.8 (UG/KG)	U/None	< 6.3	< 20	L		2	27.6
SW8260B / SW5035/NONE	Blank	MB 240-66063/17 (LB) / MB 240-66063/17	1 / 1.00	Styrene	0.15 (UG/KG)	U/None	< 0.15	< 5	L		1	0.150
SW8260B / SW5035/NONE	Blank	MB 240-66175/8 (LB) / MB 240-66175/8	1 / 1.00	2-Butanone (MEK)	1.8 (UG/KG)	U/None	< 1.4	< 20	L		2	3.66
SW8260B / SW5035/NONE	Blank	MB 240-66175/8 (LB) / MB 240-66175/8	1 / 1.00	2-Hexanone	0.65 (UG/KG)	U/None	< 0.63	< 20	L		1	0.654
SW8260B / SW5035/NONE	Blank	MB 240-66175/8 (LB) / MB 240-66175/8	1 / 1.00	Acetone	19.2 (UG/KG)	U/None	< 6.3	< 20	L		2	38.4
SW8260B / SW5035/NONE	Blank	MB 240-66175/8 (LB) / MB 240-66175/8	1 / 1.00	Carbon Disulfide	2.9 (UG/KG)	U/None	< 0.44	< 5	L		1	2.92
SW8260B / SW5035/NONE	Surrogate	069SB-0010M-0001-SO (N) / 240-17602-6	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	82.3 (PERCENT)	J/UJ	85 - 120	10 - 120	I			
SW8260B / SW5035/NONE	Surrogate	069SB-0011M-0001-SO (N) / 240-17602-7	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	80.4 (PERCENT)	J/UJ	85 - 120	10 - 120	I			
SW8260B / SW5035/NONE	Surrogate	069SB-0012M-0001-SO (N) / 240-17602-8	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	84.2 (PERCENT)	J/UJ	85 - 120	10 - 120	I			
SW8260B / SW5035/NONE	Surrogate	069SB-0014M-0001-SO (N) / 240-17602-10	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	76.4 (PERCENT)	J/UJ	85 - 120	10 - 120	I			
SW8260B / SW5035/NONE	Surrogate	069SB-0017M-0001-SO (N) / 240-17602-13	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	81.4 (PERCENT)	J/UJ	85 - 120	10 - 120	I			
SW8260B / SW5035/NONE	Surrogate	069SB-0018M-0001-SO (N) / 240-17602-14	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	82.9 (PERCENT)	J/UJ	85 - 120	10 - 120	I			
SW8260B / SW5035/NONE	Surrogate	069SB-0022M-0001-SO (N) / 240-17602-18	1 / 1.00	1-Bromo-4-fluorobenzene (4-Bromofluorobenzene)	84.2 (PERCENT)	J/UJ	85 - 120	10 - 120	I			

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW8270C / SW3550/NONE	Blank	MB 240-65931/23-A (LB) / MB 240-65931/23-A	1 / 1.00	bis(2-Ethylhexyl) Phthalate	30.7 (UG/KG)	U/None	< 19	< 50	L		5	154
SW8270C / SW3550/NONE	Blank	MB 240-65935/23-A (LB) / MB 240-65935/23-A	1 / 1.00	bis(2-Ethylhexyl) Phthalate	19.8 (UG/KG)	U/None	< 19	< 50	L		5	99.0

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW7471A/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Mercury	0.095	0.030	0.030 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Mercury	0.090	0.020	0.020 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Mercury	0.091	0.024	0.024 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Mercury	0.091	0.021	0.021 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Mercury	0.098	0.025	0.025 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Mercury	0.090	0.025	0.025 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Mercury	0.11	0.027	0.027 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Mercury	0.11	0.028	0.028 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Mercury	0.11	0.021	0.021 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Mercury	0.091	0.029	0.029 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Mercury	0.11	0.030	0.030 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Mercury	0.11	0.029	0.029 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Mercury	0.12	0.038	0.038 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Mercury	0.094	0.034	0.034 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Mercury	0.098	0.027	0.027 J		MG/KG	TR
SW7471A/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Mercury	0.11	0.031	0.031 J		MG/KG	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Carbon Tetrachloride	4.5	2.7	2.7 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Carbon Tetrachloride	4.6	1.2	1.2 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Chloroform	5.8	5.8	5.8 U		UG/KG	F
SW8260B/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Methylene Chloride	4.6	0.87	0.87 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Trichloroethene (TCE)	4.6	0.61	0.61 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,1,2,2-Tetrachloroethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,1,2-Trichloroethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,1-Dichloroethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,1-Dichloroethene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,2-Dibromoethane (EDB)	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,2-Dichloroethane	5.0	5.0	5.0 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,2-Dichloroethene	10.0	10.0	10.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	1,2-Dichloropropane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	2-Butanone (MEK)	20.0	20.0	20.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	2-Hexanone	20.0	20.0	20.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	4-Methyl-2-pentanone (MIBK)	20.0	20.0	20.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Benzene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Bromochloromethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Bromodichloromethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Bromoform	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Bromomethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Carbon Disulfide	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Chlorobenzene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Chloroethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Chloroform	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Chloromethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	cis-1,3-Dichloropropene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Dibromochloromethane	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Ethylbenzene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Methylene Chloride	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Styrene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	tert-Butyl Methyl Ether (MTBE)	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Tetrachloroethene (PCE)	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Toluene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	trans-1,3-Dichloropropene	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Trichloroethene (TCE)	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Vinyl Chloride	5.0	5.0	5.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Xylenes, Total	10.0	10.0	10.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,1,2,2-Tetrachloroethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,1,2-Trichloroethane	5.1	5.1	5.1 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,1-Dichloroethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,1-Dichloroethene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,2-Dibromoethane (EDB)	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,2-Dichloroethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,2-Dichloroethene	10.0	10.0	10.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	1,2-Dichloropropane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	2-Butanone (MEK)	20.0	20.0	20.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	2-Hexanone	20.0	20.0	20.0 UJ		UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	4-Methyl-2-pentanone (MIBK)	20.0	20.0	20.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Bromochloromethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Bromodichloromethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Bromoform	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Bromomethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Carbon Disulfide	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Chlorobenzene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Chloroethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Chloroform	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Chloromethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	cis-1,3-Dichloropropene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Dibromochloromethane	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Ethylbenzene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Methylene Chloride	5.1	5.1	5.1 UJ		UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Styrene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	tert-Butyl Methyl Ether (MTBE)	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Tetrachloroethene (PCE)	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Toluene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	trans-1,3-Dichloropropene	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Trichloroethene (TCE)	5.1	5.1	5.1 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Vinyl Chloride	5.1	5.1	5.1 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Xylenes, Total	10.0	10.0	10.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,1,2,2-Tetrachloroethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,1,2-Trichloroethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,1-Dichloroethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,1-Dichloroethene	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,2-Dibromoethane (EDB)	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,2-Dichloroethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,2-Dichloroethene	7.8	7.8	7.8 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,2-Dichloropropane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	2-Butanone (MEK)	16.0	16.0	16.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	2-Hexanone	16.0	16.0	16.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	4-Methyl-2-pentanone (MIBK)	16.0	16.0	16.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Benzene	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Bromochloromethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Bromodichloromethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Bromoform	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Bromomethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Carbon Disulfide	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Carbon Tetrachloride	3.9	2.0	2.0 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Chlorobenzene	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Chloroethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Chloroform	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Chloromethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	cis-1,3-Dichloropropene	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Dibromochloromethane	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Ethylbenzene	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Methylene Chloride	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Styrene	3.9	3.9	3.9 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	tert-Butyl Methyl Ether (MTBE)	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Tetrachloroethene (PCE)	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Toluene	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	trans-1,3-Dichloropropene	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Trichloroethene (TCE)	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Vinyl Chloride	3.9	3.9	3.9 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Xylenes, Total	7.8	7.8	7.8 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Carbon Tetrachloride	4.9	2.7	2.7 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,1,2,2-Tetrachloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,1,2-Trichloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,1-Dichloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,1-Dichloroethene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,2-Dibromoethane (EDB)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,2-Dichloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,2-Dichloroethene	8.6	8.6	8.6 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	1,2-Dichloropropane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	2-Butanone (MEK)	17.0	17.0	17.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	2-Hexanone	17.0	17.0	17.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	4-Methyl-2-pentanone (MIBK)	17.0	17.0	17.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Acetone	17.0	17.0	17.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Benzene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Bromochloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Bromodichloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Bromoform	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Bromomethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Carbon Disulfide	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Carbon Tetrachloride	4.1	3.0	3.0 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Chlorobenzene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Chloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Chloroform	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Chloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	cis-1,3-Dichloropropene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Dibromochloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Ethylbenzene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Methylene Chloride	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Styrene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	tert-Butyl Methyl Ether (MTBE)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Tetrachloroethene (PCE)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Toluene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	trans-1,3-Dichloropropene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Trichloroethene (TCE)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Vinyl Chloride	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Xylenes, Total	8.6	8.6	8.6 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Carbon Tetrachloride	5.0	1.4	1.4 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Carbon Tetrachloride	4.3	0.72	0.72 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,1,2,2-Tetrachloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,1,2-Trichloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,1-Dichloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,1-Dichloroethene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,2-Dibromoethane (EDB)	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,2-Dichloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,2-Dichloroethene	9.3	9.3	9.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,2-Dichloropropane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	2-Butanone (MEK)	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	2-Hexanone	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	4-Methyl-2-pentanone (MIBK)	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Acetone	20.0	20.0	20.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Benzene	4.7	4.7	4.7 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Bromochloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Bromodichloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Bromoform	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Bromomethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Carbon Disulfide	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Chlorobenzene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Chloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Chloroform	4.7	1.8	4.7 UJ	-	UG/KG	I/F
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Chloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	cis-1,3-Dichloropropene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Dibromochloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Ethylbenzene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Methylene Chloride	4.7	7.7	7.7 J	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Styrene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	tert-Butyl Methyl Ether (MTBE)	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Tetrachloroethene (PCE)	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Toluene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	trans-1,3-Dichloropropene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Trichloroethene (TCE)	4.7	1.6	1.6 J	-	UG/KG	I/TR
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Vinyl Chloride	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Xylenes, Total	9.3	9.3	9.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,1,1-Trichloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,1,2,2-Tetrachloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,1,2-Trichloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,1-Dichloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,1-Dichloroethene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,2-Dibromoethane (EDB)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,2-Dichloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,2-Dichloroethene	8.7	8.7	8.7 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	1,2-Dichloropropane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	2-Butanone (MEK)	17.0	17.0	17.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	2-Hexanone	17.0	17.0	17.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	4-Methyl-2-pentanone (MIBK)	17.0	17.0	17.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Acetone	17.0	17.0	17.0 UJ	-	UG/KG	I/V2
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Benzene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Bromochloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Bromodichloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Bromoform	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Bromomethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Carbon Disulfide	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Carbon Tetrachloride	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Chlorobenzene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Chloroethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Chloroform	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Chloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	cis-1,3-Dichloropropene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Dibromochloromethane	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Ethylbenzene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Methylene Chloride	4.3	5.0	5.0 J	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Styrene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	tert-Butyl Methyl Ether (MTBE)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Tetrachloroethene (PCE)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Toluene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	trans-1,3-Dichloropropene	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Trichloroethene (TCE)	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Vinyl Chloride	4.3	4.3	4.3 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Xylenes, Total	8.7	8.7	8.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Carbon Tetrachloride	4.3	2.7	2.7 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Methylene Chloride	4.8	1.9	1.9 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,1,1-Trichloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,1,2,2-Tetrachloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,1,2-Trichloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,1-Dichloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,1-Dichloroethene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,2-Dibromoethane (EDB)	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,2-Dichloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,2-Dichloroethene	9.5	9.5	9.5 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	1,2-Dichloropropane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	2-Butanone (MEK)	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	2-Hexanone	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	4-Methyl-2-pentanone (MIBK)	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Acetone	19.0	19.0	19.0 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Benzene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Bromochloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Bromodichloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Bromoform	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Bromomethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Carbon Disulfide	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Carbon Tetrachloride	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Chlorobenzene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Chloroethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Chloroform	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Chloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	cis-1,3-Dichloropropene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Dibromochloromethane	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Ethylbenzene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Methylene Chloride	4.7	4.7	4.7 UJ	-	UG/KG	I

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Styrene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	tert-Butyl Methyl Ether (MTBE)	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Tetrachloroethene (PCE)	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Toluene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	trans-1,3-Dichloropropene	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Trichloroethene (TCE)	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Vinyl Chloride	4.7	4.7	4.7 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Xylenes, Total	9.5	9.5	9.5 UJ	-	UG/KG	I
SW8260B/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Methylene Chloride	4.4	4.4	4.4 UJ		UG/KG	J
SW8260B/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Methylene Chloride	4.3	1.6	1.6 J		UG/KG	TR
SW8260B/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Chloroform	4.3	0.48	4.3 U		UG/KG	F
SW8260B/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Methylene Chloride	4.3	4.3	4.3 UJ		UG/KG	J
SW8260B/NONE	WG	069SB-0027M-0001-SO	240-17602-23	N	Acetone	10.0	10.0	10.0 UJ		UG/L	J
SW8260B/NONE	WG	069SB-0027M-0001-SO	240-17602-23	N	Methylene Chloride	1.0	0.40	1.0 UJ	+	UG/L	L/J
SW8260B/NONE	WG	069SB-0028M-0001-SO	240-17602-24	N	Acetone	10.0	10.0	10.0 UJ		UG/L	J
SW8260B/NONE	WG	069SB-0028M-0001-SO	240-17602-24	N	Methylene Chloride	1.0	0.37	1.0 UJ	+	UG/L	L/J
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Benzoic acid	660	660	660 R		UG/KG	c
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	bis(2-Ethylhexyl) Phthalate	130	130	130 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	2-Methylnaphthalene	6.6	5.1	5.1 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Benzoic acid	660	660	660 R		UG/KG	c
SW8270C/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	bis(2-Ethylhexyl) Phthalate	56.0	56.0	56.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Naphthalene	6.6	6.5	6.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	1,2-Dichlorobenzene	50.0	46.0	46.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Benzoic acid	660	660	660 R		UG/KG	c
SW8270C/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	bis(2-Ethylhexyl) Phthalate	65.0	65.0	65.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	2-Methylnaphthalene	6.6	5.8	5.8 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Benzoic acid	650	650	650 R		UG/KG	c
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	bis(2-Ethylhexyl) Phthalate	49.0	49.0	49.0 U	+	UG/KG	L

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Phenanthrene	6.6	3.8	3.8 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	2-Methylnaphthalene	6.7	5.8	5.8 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	bis(2-Ethylhexyl) Phthalate	96.0	96.0	96.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Anthracene	6.7	4.9	4.9 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	bis(2-Ethylhexyl) Phthalate	54.0	54.0	54.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(a)anthracene	6.7	5.3	5.3 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(b)fluoranthene	6.7	6.5	6.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(g,h,i)perylene	6.7	5.1	5.1 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(k)fluoranthene	6.7	4.6	4.6 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	bis(2-Ethylhexyl) Phthalate	50.0	44.0	50.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Chrysene	6.7	6.2	6.2 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,2-Dichlorobenzene	51.0	20.0	20.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	2-Methylnaphthalene	6.8	6.4	6.4 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Benzo(g,h,i)perylene	6.8	3.9	3.9 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	bis(2-Ethylhexyl) Phthalate	170	170	170 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	n-Nitrosodiphenylamine	51.0	51.0	51.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Pyrene	6.8	6.5	6.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	1,2-Dichlorobenzene	49.0	20.0	20.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	2-Methylnaphthalene	6.6	5.8	5.8 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	bis(2-Ethylhexyl) Phthalate	130	130	130 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	n-Nitrosodiphenylamine	49.0	49.0	49.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Phenanthrene	6.6	3.7	3.7 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	bis(2-Ethylhexyl) Phthalate	50.0	42.0	50.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	bis(2-Ethylhexyl) Phthalate	66.0	66.0	66.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	n-Nitrosodiphenylamine	49.0	49.0	49.0 R		UG/KG	J

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Phenanthrene	6.6	4.8	4.8 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	bis(2-Ethylhexyl) Phthalate	88.0	88.0	88.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Phenanthrene	6.7	5.6	5.6 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,2-Dichlorobenzene	51.0	15.0	15.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Benzyl butyl phthalate	51.0	22.0	22.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	bis(2-Ethylhexyl) Phthalate	150	150	150 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Fluorene	6.7	3.5	3.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	n-Nitrosodiphenylamine	51.0	51.0	51.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Phenanthrene	6.7	6.2	6.2 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	bis(2-Ethylhexyl) Phthalate	120	120	120 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Pyrene	6.7	5.5	5.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	2-Methylnaphthalene	7.9	5.5	5.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Benzo(g,h,i)perylene	7.9	7.8	7.8 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	bis(2-Ethylhexyl) Phthalate	80.0	80.0	80.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	n-Nitrosodiphenylamine	59.0	59.0	59.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Phenanthrene	7.9	6.0	6.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Pyrene	7.9	4.0	4.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Benzo(g,h,i)perylene	6.7	4.5	4.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	bis(2-Ethylhexyl) Phthalate	140	140	140 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	bis(2-Ethylhexyl) Phthalate	120	120	120 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	n-Nitrosodiphenylamine	51.0	51.0	51.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Phenanthrene	6.8	5.3	5.3 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	bis(2-Ethylhexyl) Phthalate	71.0	71.0	71.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Benzo(g,h,i)perylene	6.7	4.6	4.6 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Benzo(k)fluoranthene	6.7	3.3	3.3 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Benzoic acid	660	660	660 R		UG/KG	m
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	bis(2-Ethylhexyl) Phthalate	53.0	53.0	53.0 U	+	UG/KG	L
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 R		UG/KG	J
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Phenanthrene	6.7	5.7	5.7 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Pyrene	6.7	3.4	3.4 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Benzo(a)anthracene	6.7	4.6	4.6 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Benzo(b)fluoranthene	6.7	5.0	5.0 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Benzo(g,h,i)perylene	6.7	4.5	4.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Chrysene	6.7	4.1	4.1 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Fluoranthene	6.7	5.1	5.1 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Pyrene	6.7	4.5	4.5 J		UG/KG	TR
SW8270C/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Phenanthrene	6.7	4.9	4.9 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW7471A/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Mercury	0.095	0.030	0.030 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Mercury	0.090	0.020	0.020 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Mercury	0.091	0.024	0.024 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Mercury	0.091	0.021	0.021 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Mercury	0.098	0.025	0.025 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Mercury	0.090	0.025	0.025 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Mercury	0.11	0.027	0.027 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Mercury	0.11	0.028	0.028 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Mercury	0.11	0.021	0.021 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Mercury	0.091	0.029	0.029 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Mercury	0.11	0.030	0.030 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Mercury	0.11	0.029	0.029 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Mercury	0.12	0.038	0.038 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Mercury	0.094	0.034	0.034 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Mercury	0.098	0.027	0.027 J	MG/KG	TR
SW7471A/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Mercury	0.11	0.031	0.031 J	MG/KG	TR

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8260B/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Carbon Tetrachloride	4.5	2.7	2.7 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Carbon Tetrachloride	4.6	1.2	1.2 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Carbon Tetrachloride	4.6	170	170	UG/KG	
SW8260B/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Methylene Chloride	4.6	0.87	0.87 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Trichloroethene (TCE)	4.6	0.61	0.61 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Carbon Tetrachloride	3.9	2.0	2.0 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Carbon Tetrachloride	4.9	2.7	2.7 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Carbon Tetrachloride	4.1	3.0	3.0 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Carbon Tetrachloride	5.0	1.4	1.4 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Carbon Tetrachloride	4.3	0.72	0.72 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Carbon Tetrachloride	5.1	8.7	8.7	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Methylene Chloride	4.7	7.7	7.7 J -	UG/KG	I
SW8260B/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Trichloroethene (TCE)	4.7	1.6	1.6 J -	UG/KG	I/TR
SW8260B/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Methylene Chloride	4.3	5.0	5.0 J -	UG/KG	I
SW8260B/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Carbon Tetrachloride	4.3	2.7	2.7 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Methylene Chloride	4.8	1.9	1.9 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Methylene Chloride	4.3	1.6	1.6 J	UG/KG	TR
SW8260B/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Carbon Tetrachloride	4.3	15.0	15.0	UG/KG	

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Acenaphthylene	6.7	6.9	6.9	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Benzo(a)anthracene	6.7	16.0	16.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Benzo(a)pyrene	6.7	22.0	22.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Benzo(b)fluoranthene	6.7	23.0	23.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Benzo(g,h,i)perylene	6.7	14.0	14.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Benzo(k)fluoranthene	6.7	12.0	12.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Chrysene	6.7	18.0	18.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Dibenz(a,h)anthracene	6.7	16.0	16.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	1,2-Dichlorobenzene	50.0	56.0	56.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Fluoranthene	6.7	23.0	23.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Indeno(1,2,3-c,d)pyrene	6.7	16.0	16.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	2-Methylnaphthalene	6.7	9.0	9.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Naphthalene	6.7	8.5	8.5	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Phenanthrene	6.7	11.0	11.0	UG/KG	
SW8270C/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Pyrene	6.7	18.0	18.0	UG/KG	
SW8270C/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	1,2-Dichlorobenzene	50.0	62.0	62.0	UG/KG	
SW8270C/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	2-Methylnaphthalene	6.6	5.1	5.1 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Naphthalene	6.6	6.5	6.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	1,2-Dichlorobenzene	50.0	46.0	46.0 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	2-Methylnaphthalene	6.7	8.1	8.1	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Naphthalene	6.7	8.6	8.6	UG/KG	
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	1,2-Dichlorobenzene	49.0	130	130	UG/KG	
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	2-Methylnaphthalene	6.6	5.8	5.8 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Naphthalene	6.6	7.3	7.3	UG/KG	
SW8270C/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Phenanthrene	6.6	3.8	3.8 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	2-Methylnaphthalene	6.7	5.8	5.8 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Naphthalene	6.7	7.2	7.2	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Acenaphthylene	6.7	11.0	11.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Anthracene	6.7	4.9	4.9 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Benzo(a)anthracene	6.7	35.0	35.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Benzo(a)pyrene	6.7	36.0	36.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Benzo(b)fluoranthene	6.7	47.0	47.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Benzo(g,h,i)perylene	6.7	18.0	18.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Benzo(k)fluoranthene	6.7	19.0	19.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Chrysene	6.7	39.0	39.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Dibenz(a,h)anthracene	6.7	16.0	16.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Fluoranthene	6.7	68.0	68.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Indeno(1,2,3-c,d)pyrene	6.7	23.0	23.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	2-Methylnaphthalene	6.7	7.7	7.7	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Naphthalene	6.7	8.9	8.9	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Phenanthrene	6.7	25.0	25.0	UG/KG	
SW8270C/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Pyrene	6.7	54.0	54.0	UG/KG	
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(a)anthracene	6.7	5.3	5.3 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(a)pyrene	6.7	13.0	13.0	UG/KG	
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(b)fluoranthene	6.7	6.5	6.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(g,h,i)perylene	6.7	5.1	5.1 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Benzo(k)fluoranthene	6.7	4.6	4.6 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Chrysene	6.7	6.2	6.2 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Fluoranthene	6.7	9.6	9.6	UG/KG	
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Indeno(1,2,3-c,d)pyrene	6.7	9.2	9.2	UG/KG	
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	2-Methylnaphthalene	6.7	7.9	7.9	UG/KG	
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Naphthalene	6.7	8.8	8.8	UG/KG	
SW8270C/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Pyrene	6.7	7.8	7.8	UG/KG	
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Benzo(a)pyrene	6.8	13.0	13.0	UG/KG	
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Benzo(b)fluoranthene	6.8	7.9	7.9	UG/KG	
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Benzo(g,h,i)perylene	6.8	3.9	3.9 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	1,2-Dichlorobenzene	51.0	20.0	20.0 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Fluoranthene	6.8	8.9	8.9	UG/KG	
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Indeno(1,2,3-c,d)pyrene	6.8	8.8	8.8	UG/KG	
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	2-Methylnaphthalene	6.8	6.4	6.4 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Naphthalene	6.8	8.1	8.1	UG/KG	
SW8270C/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Pyrene	6.8	6.5	6.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	1,2-Dichlorobenzene	49.0	20.0	20.0 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	2-Methylnaphthalene	6.6	5.8	5.8 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Naphthalene	6.6	7.1	7.1	UG/KG	
SW8270C/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Phenanthrene	6.6	3.7	3.7 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Naphthalene	6.6	6.6	6.6	UG/KG	
SW8270C/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	2-Methylnaphthalene	6.6	8.6	8.6	UG/KG	
SW8270C/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Naphthalene	6.6	8.7	8.7	UG/KG	
SW8270C/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Phenanthrene	6.6	4.8	4.8 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	1,2-Dichlorobenzene	50.0	120	120	UG/KG	
SW8270C/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	2-Methylnaphthalene	6.7	8.1	8.1	UG/KG	
SW8270C/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Naphthalene	6.7	9.7	9.7	UG/KG	
SW8270C/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Phenanthrene	6.7	5.6	5.6 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Benzyl butyl phthalate	51.0	22.0	22.0 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	1,2-Dichlorobenzene	51.0	15.0	15.0 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Fluorene	6.7	3.5	3.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	2-Methylnaphthalene	6.7	9.5	9.5	UG/KG	
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Naphthalene	6.7	12.0	12.0	UG/KG	
SW8270C/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Phenanthrene	6.7	6.2	6.2 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Benzo(a)pyrene	6.7	11.0	11.0	UG/KG	
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Benzo(b)fluoranthene	6.7	6.7	6.7	UG/KG	
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Fluoranthene	6.7	7.8	7.8	UG/KG	
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	2-Methylnaphthalene	6.7	9.7	9.7	UG/KG	
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Naphthalene	6.7	9.8	9.8	UG/KG	
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Phenanthrene	6.7	7.7	7.7	UG/KG	
SW8270C/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Pyrene	6.7	5.5	5.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Benzo(g,h,i)perylene	7.9	7.8	7.8 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	2-Methylnaphthalene	7.9	5.5	5.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Phenanthrene	7.9	6.0	6.0 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Pyrene	7.9	4.0	4.0 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Benzo(a)pyrene	6.7	13.0	13.0	UG/KG	
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Benzo(b)fluoranthene	6.7	9.2	9.2	UG/KG	
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Benzo(g,h,i)perylene	6.7	4.5	4.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Fluoranthene	6.7	9.9	9.9	UG/KG	
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	2-Methylnaphthalene	6.7	9.2	9.2	UG/KG	
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Naphthalene	6.7	9.9	9.9	UG/KG	
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Phenanthrene	6.7	8.2	8.2	UG/KG	
SW8270C/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Pyrene	6.7	8.0	8.0	UG/KG	
SW8270C/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	2-Methylnaphthalene	6.8	10.0	10.0	UG/KG	
SW8270C/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Naphthalene	6.8	9.6	9.6	UG/KG	
SW8270C/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Phenanthrene	6.8	5.3	5.3 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	2-Methylnaphthalene	6.7	8.9	8.9	UG/KG	
SW8270C/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Naphthalene	6.7	9.9	9.9	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Benzo(a)pyrene	6.7	12.0	12.0	UG/KG	
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Benzo(b)fluoranthene	6.7	8.1	8.1	UG/KG	
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Benzo(g,h,i)perylene	6.7	4.6	4.6 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Benzo(k)fluoranthene	6.7	3.3	3.3 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Fluoranthene	6.7	12.0	12.0	UG/KG	
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	2-Methylnaphthalene	6.7	9.0	9.0	UG/KG	
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Naphthalene	6.7	9.6	9.6	UG/KG	
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Phenanthrene	6.7	9.3	9.3	UG/KG	
SW8270C/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Pyrene	6.7	8.7	8.7	UG/KG	
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	bis(2-Ethylhexyl) Phthalate	50.0	70.0	70.0	UG/KG	
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	2-Methylnaphthalene	6.7	9.3	9.3	UG/KG	
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Naphthalene	6.7	9.5	9.5	UG/KG	
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Phenanthrene	6.7	5.7	5.7 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Pyrene	6.7	3.4	3.4 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	bis(2-Ethylhexyl) Phthalate	50.0	78.0	78.0	UG/KG	
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Benzo(a)anthracene	6.7	4.6	4.6 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Benzo(b)fluoranthene	6.7	5.0	5.0 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Benzo(g,h,i)perylene	6.7	4.5	4.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Chrysene	6.7	4.1	4.1 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Fluoranthene	6.7	5.1	5.1 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	2-Methylnaphthalene	6.7	9.2	9.2	UG/KG	
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Naphthalene	6.7	9.3	9.3	UG/KG	
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Phenanthrene	6.7	7.5	7.5	UG/KG	
SW8270C/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Pyrene	6.7	4.5	4.5 J	UG/KG	TR
SW8270C/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	bis(2-Ethylhexyl) Phthalate	50.0	59.0	59.0	UG/KG	
SW8270C/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	2-Methylnaphthalene	6.7	8.9	8.9	UG/KG	
SW8270C/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Naphthalene	6.7	8.9	8.9	UG/KG	
SW8270C/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Phenanthrene	6.7	4.9	4.9 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Rejected Results

Test Leach	Matrix	FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	069SB-0005M-0001-SO	N	Benzoic acid	660	660	R	UG/KG	c
SW8270C/NONE	SO	069SB-0006M-0001-SO	N	Benzoic acid	660	660	R	UG/KG	c
SW8270C/NONE	SO	069SB-0007M-0001-SO	N	Benzoic acid	660	660	R	UG/KG	c
SW8270C/NONE	SO	069SB-0008M-0001-SO	N	Benzoic acid	650	650	R	UG/KG	c
SW8270C/NONE	SO	069SB-0009M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0010M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0011M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0012M-0001-SO	N	n-Nitrosodiphenylamine	51.0	51.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0013M-0001-SO	N	n-Nitrosodiphenylamine	49.0	49.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0014M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0015M-0001-SO	N	n-Nitrosodiphenylamine	49.0	49.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0016M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0017M-0001-SO	N	n-Nitrosodiphenylamine	51.0	51.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0018M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0019M-0001-SO	N	n-Nitrosodiphenylamine	59.0	59.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0020M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0021M-0001-SO	N	n-Nitrosodiphenylamine	51.0	51.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0022M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J
SW8270C/NONE	SO	069SB-0023M-0001-SO	N	Benzoic acid	660	660	R	UG/KG	m
SW8270C/NONE	SO	069SB-0023M-0001-SO	N	n-Nitrosodiphenylamine	50.0	50.0	R	UG/KG	J

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Anomalies Count

SDG Name: 240-17602-1_(69-SB)

Test/Extraction Method/Leach	# of Field Samples Outside of Compliance	# of Analytes Outside of Compliance
SW7471A/TOTAL/NONE	10	10
SW8260B/SW5030B/NONE	2	2
SW8270C/SW3550/NONE	22	32

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW7471A/NONE	069SB-0011M-0001-SO	N	1	Mercury	0.027 J	0.015	0.11	0.1	MG/KG
SW7471A/NONE	069SB-0012M-0001-SO	N	1	Mercury	0.028 J	0.015	0.11	0.1	MG/KG
SW7471A/NONE	069SB-0013M-0001-SO	N	1	Mercury	0.021 J	0.015	0.11	0.1	MG/KG
SW7471A/NONE	069SB-0015M-0001-SO	N	1	Mercury	0.11 U	0.016	0.11	0.1	MG/KG
SW7471A/NONE	069SB-0017M-0001-SO	N	1	Mercury	0.03 J	0.016	0.11	0.1	MG/KG
SW7471A/NONE	069SB-0018M-0001-SO	N	1	Mercury	0.029 J	0.015	0.11	0.1	MG/KG
SW7471A/NONE	069SB-0019M-0001-SO	N	1	Mercury	0.038 J	0.017	0.12	0.1	MG/KG
SW7471A/NONE	069SB-0022M-0001-SO	N	1	Mercury	0.11 U	0.016	0.11	0.1	MG/KG
SW7471A/NONE	069SB-0023M-0001-SO	N	1	Mercury	0.12 U	0.016	0.12	0.1	MG/KG
SW7471A/NONE	069SB-0025M-0001-SO	N	1	Mercury	0.031 J	0.016	0.11	0.1	MG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SB-0005M-0001-SO	N	1	1,2-Dichloroethene	9.5 U	0.73	9.5	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,1,2-Trichloroethane	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,1-Dichloroethane	5.1 U	0.37	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,1-Dichloroethene	5.1 U	0.53	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.1 U	0.51	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,2-Dichloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,2-Dichloroethene	10 U	0.79	10	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	1,2-Dichloropropane	5.1 U	0.71	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Benzene	5.1 U	0.24	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Bromochloromethane	5.1 U	0.73	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Bromodichloromethane	5.1 U	0.29	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Bromoform	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Bromomethane	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Carbon Disulfide	5.1 U	0.45	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Chlorobenzene	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Chloroethane	5.1 U	0.88	5.1	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Chloroform	5.1 U	0.3	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Chloromethane	5.1 U	0.42	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	cis-1,3-Dichloropropene	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Dibromochloromethane	5.1 U	0.56	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Ethylbenzene	5.1 U	0.27	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Methylene Chloride	5.1 U	0.69	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Styrene	5.1 U	0.15	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.1 U	0.44	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Tetrachloroethene (PCE)	5.1 U	0.53	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Toluene	5.1 U	0.28	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	trans-1,3-Dichloropropene	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Trichloroethene (TCE)	5.1 U	0.43	5.1	5	UG/KG
SW8260B/NONE	069SB-0006M-0001-SO	N	1	Vinyl Chloride	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.4 U	0.37	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,1,2-Trichloroethane	5.4 U	0.42	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,1-Dichloroethane	5.4 U	0.39	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,1-Dichloroethene	5.4 U	0.57	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.4 U	0.54	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,2-Dichloroethane	5.4 U	0.37	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,2-Dichloroethene	11 U	0.84	11	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	1,2-Dichloropropane	5.4 U	0.75	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	2-Butanone (MEK)	22 U	1.5	22	20	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	2-Hexanone	22 U	0.69	22	20	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	22 U	0.59	22	20	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Benzene	5.4 U	0.25	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Bromochloromethane	5.4 U	0.77	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Bromodichloromethane	5.4 U	0.3	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Bromoform	5.4 U	0.36	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Bromomethane	5.4 U	0.59	5.4	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Carbon Disulfide	5.4 U	0.48	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Chlorobenzene	5.4 U	0.36	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Chloroethane	5.4 U	0.94	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Chloroform	5.4 U	0.32	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Chloromethane	5.4 U	0.45	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	cis-1,3-Dichloropropene	5.4 U	0.37	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Dibromochloromethane	5.4 U	0.6	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Ethylbenzene	5.4 U	0.28	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Methylene Chloride	5.4 U	0.73	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Styrene	5.4 U	0.16	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.4 U	0.47	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Tetrachloroethene (PCE)	5.4 U	0.57	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Toluene	5.4 U	0.29	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	trans-1,3-Dichloropropene	5.4 U	0.59	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Trichloroethene (TCE)	5.4 U	0.46	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Vinyl Chloride	5.4 U	0.42	5.4	5	UG/KG
SW8260B/NONE	069SB-0007M-0001-SO	N	1	Xylenes, Total	11 U	0.73	11	10	UG/KG
SW8260B/NONE	069SB-0008M-0001-SO	N	1	1,2-Dichloroethene	9.2 U	0.71	9.2	5	UG/KG
SW8260B/NONE	069SB-0008M-0001-SO	N	1	Chloroform	5.8 U	0.27	5.8	5	UG/KG
SW8260B/NONE	069SB-0009M-0001-SO	N	1	1,2-Dichloroethene	9.2 U	0.71	9.2	5	UG/KG
SW8260B/NONE	069SB-0010M-0001-SO	N	1	1,2-Dichloroethene	10 UJ	0.77	10	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,1,1-Trichloroethane	5.2 U	0.58	5.2	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.1 UJ	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,1,2-Trichloroethane	5.1 UJ	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,1-Dichloroethane	5.1 UJ	0.37	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,1-Dichloroethene	5.1 UJ	0.53	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.1 UJ	0.51	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,2-Dichloroethane	5.1 UJ	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,2-Dichloroethene	10 UJ	0.79	10	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SB-0011M-0001-SO	N	1	1,2-Dichloropropane	5.1 UJ	0.7	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Acetone	21 U	6.5	21	20	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Benzene	5.1 UJ	0.23	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Bromochloromethane	5.1 UJ	0.72	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Bromodichloromethane	5.1 UJ	0.29	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Bromoform	5.1 UJ	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Bromomethane	5.1 UJ	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Carbon Disulfide	5.1 UJ	0.45	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Carbon Tetrachloride	5.2 U	0.38	5.2	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Chlorobenzene	5.1 UJ	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Chloroethane	5.1 UJ	0.88	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Chloroform	5.1 UJ	0.3	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Chloromethane	5.1 UJ	0.42	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	cis-1,3-Dichloropropene	5.1 UJ	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Dibromochloromethane	5.1 UJ	0.56	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Ethylbenzene	5.1 UJ	0.27	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Methylene Chloride	5.1 UJ	0.68	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Styrene	5.1 UJ	0.15	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.1 UJ	0.44	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Tetrachloroethene (PCE)	5.1 UJ	0.53	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Toluene	5.1 UJ	0.28	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	trans-1,3-Dichloropropene	5.1 UJ	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Trichloroethene (TCE)	5.1 UJ	0.43	5.1	5	UG/KG
SW8260B/NONE	069SB-0011M-0001-SO	N	1	Vinyl Chloride	5.1 UJ	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0012M-0001-SO	N	1	1,2-Dichloroethene	7.8 UJ	0.6	7.8	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,1,2-Trichloroethane	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,1-Dichloroethane	5.1 U	0.37	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,1-Dichloroethene	5.1 U	0.53	5.1	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.1 U	0.51	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,2-Dichloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,2-Dichloroethene	10 U	0.79	10	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	1,2-Dichloropropane	5.1 U	0.71	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Benzene	5.1 U	0.24	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Bromochloromethane	5.1 U	0.73	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Bromodichloromethane	5.1 U	0.29	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Bromoform	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Bromomethane	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Carbon Disulfide	5.1 U	0.45	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Chlorobenzene	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Chloroethane	5.1 U	0.88	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Chloroform	5.1 U	0.3	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Chloromethane	5.1 U	0.42	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	cis-1,3-Dichloropropene	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Dibromochloromethane	5.1 U	0.56	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Ethylbenzene	5.1 U	0.27	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Methylene Chloride	5.1 U	0.68	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Styrene	5.1 U	0.15	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.1 U	0.44	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Tetrachloroethene (PCE)	5.1 U	0.53	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Toluene	5.1 U	0.28	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	trans-1,3-Dichloropropene	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Trichloroethene (TCE)	5.1 U	0.43	5.1	5	UG/KG
SW8260B/NONE	069SB-0013M-0001-SO	N	1	Vinyl Chloride	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0014M-0001-SO	N	1	1,2-Dichloroethene	8.6 UJ	0.67	8.6	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,1,2-Trichloroethane	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,1-Dichloroethane	5.1 U	0.37	5.1	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,1-Dichloroethene	5.1 U	0.53	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.1 U	0.51	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,2-Dichloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,2-Dichloroethene	10 U	0.78	10	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	1,2-Dichloropropane	5.1 U	0.7	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Benzene	5.1 U	0.23	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Bromochloromethane	5.1 U	0.72	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Bromodichloromethane	5.1 U	0.29	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Bromoform	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Bromomethane	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Carbon Disulfide	5.1 U	0.45	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Chlorobenzene	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Chloroethane	5.1 U	0.88	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Chloroform	5.1 U	0.3	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Chloromethane	5.1 U	0.42	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	cis-1,3-Dichloropropene	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Dibromochloromethane	5.1 U	0.56	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Ethylbenzene	5.1 U	0.26	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Methylene Chloride	5.1 U	0.68	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Styrene	5.1 U	0.15	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.1 U	0.44	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Tetrachloroethene (PCE)	5.1 U	0.53	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Toluene	5.1 U	0.27	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	trans-1,3-Dichloropropene	5.1 U	0.55	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Trichloroethene (TCE)	5.1 U	0.43	5.1	5	UG/KG
SW8260B/NONE	069SB-0015M-0001-SO	N	1	Vinyl Chloride	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	069SB-0016M-0001-SO	N	1	1,2-Dichloroethene	8.8 U	0.68	8.8	5	UG/KG
SW8260B/NONE	069SB-0017M-0001-SO	N	1	1,1,1-Trichloroethane	5.1 U	0.57	5.1	5	UG/KG
SW8260B/NONE	069SB-0017M-0001-SO	N	1	1,2-Dichloroethene	9.3 UJ	0.72	9.3	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	069SB-0017M-0001-SO	N	1	Carbon Tetrachloride	8.7	0.38	5.1	5	UG/KG
SW8260B/NONE	069SB-0018M-0001-SO	N	1	1,2-Dichloroethene	8.7 UJ	0.67	8.7	5	UG/KG
SW8260B/NONE	069SB-0019M-0001-SO	N	1	1,2-Dichloroethene	8.5 U	0.66	8.5	5	UG/KG
SW8260B/NONE	069SB-0020M-0001-SO	N	1	1,2-Dichloroethene	9 U	0.7	9	5	UG/KG
SW8260B/NONE	069SB-0021M-0001-SO	N	1	1,2-Dichloroethene	9.5 U	0.74	9.5	5	UG/KG
SW8260B/NONE	069SB-0022M-0001-SO	N	1	1,2-Dichloroethene	9.5 UJ	0.73	9.5	5	UG/KG
SW8260B/NONE	069SB-0023M-0001-SO	N	1	1,2-Dichloroethene	8.8 U	0.68	8.8	5	UG/KG
SW8260B/NONE	069SB-0024M-0001-SO	N	1	1,2-Dichloroethene	8.7 U	0.67	8.7	5	UG/KG
SW8260B/NONE	069SB-0025M-0001-SO	N	1	1,2-Dichloroethene	8.5 U	0.66	8.5	5	UG/KG
SW8260B/NONE	069SB-0026M-0001-SO	N	1	1,2-Dichloroethene	8.5 U	0.65	8.5	5	UG/KG
SW8260B/NONE	069SB-0027M-0001-SO	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L
SW8260B/NONE	069SB-0028M-0001-SO	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	069SB-0005M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0006M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0007M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0008M-0001-SO	N	1	Cresols, m & p	390 U	20	390	300	UG/KG
SW8270C/NONE	069SB-0009M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0010M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0011M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0012M-0001-SO	N	1	Benzyl alcohol	340 U	21	340	330	UG/KG
SW8270C/NONE	069SB-0012M-0001-SO	N	1	Carbazole	51 U	27	51	50	UG/KG
SW8270C/NONE	069SB-0012M-0001-SO	N	1	Cresols, m & p	410 U	20	410	300	UG/KG
SW8270C/NONE	069SB-0012M-0001-SO	N	1	Hexachlorocyclopentadiene	340 U	27	340	330	UG/KG
SW8270C/NONE	069SB-0013M-0001-SO	N	1	Cresols, m & p	390 U	20	390	300	UG/KG
SW8270C/NONE	069SB-0014M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0015M-0001-SO	N	1	Cresols, m & p	390 U	20	390	300	UG/KG
SW8270C/NONE	069SB-0016M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0017M-0001-SO	N	1	Carbazole	51 U	27	51	50	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Reporting Anomalies

SDG Name: 240-17602-1_(69-SB)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	069SB-0017M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0018M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0019M-0001-SO	N	1	Benzyl alcohol	390 U	25	390	330	UG/KG
SW8270C/NONE	069SB-0019M-0001-SO	N	1	Carbazole	59 U	32	59	50	UG/KG
SW8270C/NONE	069SB-0019M-0001-SO	N	1	Cresols, m & p	480 U	24	480	300	UG/KG
SW8270C/NONE	069SB-0019M-0001-SO	N	1	Hexachlorocyclopentadiene	390 U	32	390	330	UG/KG
SW8270C/NONE	069SB-0020M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0021M-0001-SO	N	1	Benzyl alcohol	340 U	21	340	330	UG/KG
SW8270C/NONE	069SB-0021M-0001-SO	N	1	Carbazole	51 U	27	51	50	UG/KG
SW8270C/NONE	069SB-0021M-0001-SO	N	1	Cresols, m & p	410 U	20	410	300	UG/KG
SW8270C/NONE	069SB-0021M-0001-SO	N	1	Hexachlorocyclopentadiene	340 U	27	340	330	UG/KG
SW8270C/NONE	069SB-0022M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0023M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0024M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0025M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	069SB-0026M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Worksheet

SDG Name: 240-17602-1_(69-SB)

Method: SW7471A				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?		•		
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			Performed only on one batch. MS and DUP
Is the MS/MSD parent sample the one designated by the sampling team?		•		
Were the MS/MSD within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Method: SW8260B				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified PQLs achieved?	•			
Were all QAPP-specified target analytes reported?				
Was the GC/MS system properly tuned based on method criteria?	•			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	•			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	•			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	•			
If a linear regression curve was used, was the correlation coefficient within criteria?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria?		•		
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Did the CCCs have a %Difference within QAPP acceptance limits?	•			
Were the average RFs for the SPCCs within QAPP acceptance limits?	•			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	•			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	•			
Were the retention times for all IS compounds within QAPP acceptance limits?	•			
Are the area counts of all IS compounds within QAPP acceptance limits?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?	•			
Was a field blank (equipment or trip) collected and analyzed at the required frequency?	•			
Were target analytes reported in the field blank analyses above the MDL?	•			Methylene Chloride was detected in the blank

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Method: SW8260B				
Review Questions	Yes	No	NA	Comment
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			Only LCS
Were the LCS/LCSD recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were surrogate recoveries within QAPP acceptance limits?		•		
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			
Method: SW8270C				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified PQLs achieved?	•			
Were all QAPP-specified target analytes reported?	•			
Was the GC/MS system properly tuned based on method criteria?	•			DFTPP
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Method: SW8270C				
Review Questions	Yes	No	NA	Comment
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	•			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	•			
If a linear regression curve was used, was the correlation coefficient within criteria?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	•			
Was a CCV run at the beginning of the analytical sequence and every 12 hours?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Did the CCCs have a %Difference within QAPP acceptance limits?	•			
Were the average RFs for the SPCCs within QAPP acceptance limits?	•			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	•			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	•			
Were the retention times for all IS compounds within QAPP acceptance limits?	•			
Are the area counts of all IS compounds within QAPP acceptance limits?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?	•			Bis (2-ethylhexyl)phthalate detected in two method blanks
Was a field blank (equipment or trip) collected and analyzed at the required frequency?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS only
Were the LCS/LCSD recoveries within QAPP acceptance limits?		•		Batch ID: 240-65931, Benzoic acid was not recovered.
Were the LCS/LCSD RPDs within QAPP acceptance limits?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?			•	
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?	•			Only in Batch: 240-65935
Is the MS/MSD parent sample the one designated by the sampling team?		•		
Were MS/MSD recoveries and RPD within QAPP acceptance limits?		•		Benzoic acid was not recovered.
Were surrogate recoveries within QAPP acceptance limits?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17602-1_(69-SB)

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			

WORKSHEET 4

Automated Data Review Summary for 240-17602-2

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AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Facility: Ravenna Army Ammunition Plant

Event: Fall 2012 SI/RI Sampling

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Otis Ang Base, MA

Data Review Contractor: ECC

SDG: 240-17602-2, Certified - 3/4/2013 by FrederickRoche

QC Level: ADR

Project Manager:

Data Reviewer: Samir A. Naguib

Data Reviewer Title: Sr. QA Chemist

Date of Review Report: April 03, 2013

Samples Included in SDG 240-17602-2

Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
SW6020/NONE	22	0

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Otis Ang Base, MA; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-17602-2. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Field Duplicate RPD

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Initial Calibration Verification

Lab Replicate RPD

LCS RPD

Material Blank

Surrogate

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 484 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
SW6020	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

03-Apr-2013

Reviewed by Samir A. Naguib, Sr. QA Chemist

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreeec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreeec C.
Y1	False Positive
Y2	Data rejected due to radiological anomalies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Batch Report

Test Method: SW6020; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
59218	59046	NA	LABQC	SQ	LABQC	MB 180-59046/1-A		1/1	20-Nov-2012 12:18 PM	20-Nov-2012 12:18 PM	21-Dec-2012 5:59 PM	LB
	59046	NA	LABQC	SQ	LABQC	LCS 180-59046/2-A		1/1	20-Nov-2012 12:18 PM	20-Nov-2012 12:18 PM	21-Dec-2012 6:03 PM	BS
	59046	NA	69-1048-DU2-SB	SO	069SB-0005M-0001-SO	240-17602-1		1/1	12-Nov-2012 11:10 AM	20-Nov-2012 12:18 PM	21-Dec-2012 7:44 PM	N
	59046	NA	69-1048-DU2-SB	SO	069SB-0006M-0001-SO	240-17602-2		1/1	12-Nov-2012 11:15 AM	20-Nov-2012 12:18 PM	21-Dec-2012 7:49 PM	N
	59046	NA	69-1048-DU2-SB1	SO	069SB-0007M-0001-SO	240-17602-3		1/1	12-Nov-2012 11:30 AM	20-Nov-2012 12:18 PM	21-Dec-2012 7:53 PM	N
	59046	NA	69-1048-DU2-SB2	SO	069SB-0008M-0001-SO	240-17602-4		1/1	12-Nov-2012 11:55 AM	20-Nov-2012 12:18 PM	21-Dec-2012 7:57 PM	N
	59046	NA	69-1048-DU2-SB3	SO	069SB-0009M-0001-SO	240-17602-5		1/1	12-Nov-2012 12:10 PM	20-Nov-2012 12:18 PM	21-Dec-2012 8:02 PM	N
	59046	NA	69-1048-DU2-SB4	SO	069SB-0010M-0001-SO	240-17602-6		1/1	12-Nov-2012 12:55 PM	20-Nov-2012 12:18 PM	21-Dec-2012 8:06 PM	N
	59046	NA	69-1048-DU2-SB5	SO	069SB-0011M-0001-SO	240-17602-7		1/1	12-Nov-2012 1:05 PM	20-Nov-2012 12:18 PM	21-Dec-2012 8:10 PM	N
	59046	NA	69-1048-DU3-SB	SO	069SB-0013M-0001-SO	240-17602-9		1/1	12-Nov-2012 2:20 PM	20-Nov-2012 12:18 PM	21-Dec-2012 8:17 PM	N
59262	59046	NA	69-1048-DU3-SB	SO	069SB-0012M-0001-SO	240-17602-8		1/1	12-Nov-2012 2:15 PM	20-Nov-2012 12:18 PM	22-Dec-2012 6:51 PM	N
	59046	NA	69-1048-DU3-SB1	SO	069SB-0014M-0001-SO	240-17602-10		1/1	12-Nov-2012 2:30 PM	20-Nov-2012 12:18 PM	22-Dec-2012 6:56 PM	N
	59053	NA	LABQC	SQ	LABQC	MB 180-59053/1-A		1/1	21-Nov-2012 11:35 AM	21-Nov-2012 11:35 AM	22-Dec-2012 7:08 PM	LB
	59053	NA	LABQC	SQ	LABQC	LCS 180-59053/2-A		1/1	21-Nov-2012 11:35 AM	21-Nov-2012 11:35 AM	22-Dec-2012 7:12 PM	BS
	59053	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	21-Nov-2012 11:35 AM	22-Dec-2012 7:19 PM	N
	59053	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	21-Nov-2012 11:35 AM	22-Dec-2012 7:28 PM	SD
	59053	NA	69-1048-DU3-SB2	SO	069SB-0015M-0001-SO	240-17602-11		1/1	12-Nov-2012 2:45 PM	21-Nov-2012 11:35 AM	22-Dec-2012 7:32 PM	MS
	59053	NA	69-1048-DU3-SB3	SO	069SB-0016M-0001-SO	240-17602-12		1/1	12-Nov-2012 3:20 PM	21-Nov-2012 11:35 AM	22-Dec-2012 7:56 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Batch Report

Test Method: SW6020; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
59262	59053	NA	69-1048-DU3-SB4	SO	069SB-0017M-0001-SO	240-17602-13		1/1	12-Nov-2012 3:50 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:01 PM	N
	59053	NA	69-1048-DU3-SB5	SO	069SB-0018M-0001-SO	240-17602-14		1/1	12-Nov-2012 4:15 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:05 PM	N
	59053	NA	69-1048-DU1-SB	SO	069SB-0020M-0001-SO	240-17602-16		1/1	12-Nov-2012 5:42 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:09 PM	N
	59053	NA	69-1048-DU1-SB	SO	069SB-0021M-0001-SO	240-17602-17		1/1	12-Nov-2012 5:47 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:13 PM	N
	59053	NA	69-1048-DU1-SB1	SO	069SB-0022M-0001-SO	240-17602-18		1/1	12-Nov-2012 4:50 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:18 PM	N
	59053	NA	69-1048-DU1-SB2	SO	069SB-0023M-0001-SO	240-17602-19		1/1	12-Nov-2012 5:10 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:22 PM	N
	59053	NA	69-1048-DU1-SB3	SO	069SB-0024M-0001-SO	240-17602-20		1/1	12-Nov-2012 5:25 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:26 PM	N
	59053	NA	69-1048-DU1-SB4	SO	069SB-0025M-0001-SO	240-17602-21		1/1	12-Nov-2012 5:15 PM	21-Nov-2012 11:35 AM	22-Dec-2012 8:31 PM	N
	59053	NA	69-1048-DU1-SB5	SO	069SB-0026M-0001-SO	240-17602-22		1/1	12-Nov-2012 5:45 AM	21-Nov-2012 11:35 AM	22-Dec-2012 8:35 PM	N
59218	59037	NA	LABQC	SQ	LABQC	MB 180-59037/1-A		1/1	26-Nov-2012 12:31 PM	26-Nov-2012 12:31 PM	21-Dec-2012 3:34 PM	LB
	59037	NA	LABQC	SQ	LABQC	LCS 180-59037/2-A		1/1	26-Nov-2012 12:31 PM	26-Nov-2012 12:31 PM	21-Dec-2012 3:38 PM	BS
	59037	NA	69-1048-DU3-SB1	SO	069SB-0019M-0001-SO	240-17602-15		1/1	12-Nov-2012 4:30 PM	26-Nov-2012 12:31 PM	21-Dec-2012 4:15 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6020 / SW3050B/NONE	Blank	MB 180-59037/1-A (LB) / MB 180-59037/1-A	1 / 1.00	Aluminum	1.3 (MG/KG)	U/None	< 0.28	< 3	L		1	1.34
SW6020 / SW3050B/NONE	Blank	MB 180-59037/1-A (LB) / MB 180-59037/1-A	1 / 1.00	Barium	0.016 (MG/KG)	U/None	< 0.011	< 1	L		1	0.0161
SW6020 / SW3050B/NONE	Blank	MB 180-59037/1-A (LB) / MB 180-59037/1-A	1 / 1.00	Iron	2.3 (MG/KG)	U/None	< 1.1	< 5	L		1	2.31
SW6020 / SW3050B/NONE	Blank	MB 180-59037/1-A (LB) / MB 180-59037/1-A	1 / 1.00	Manganese	0.034 (MG/KG)	U/None	< 0.016	< 0.5	L		1	0.0336
SW6020 / SW3050B/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Aluminum	0.50 (MG/KG)	U/None	< 0.28	< 3	L		1	0.498
SW6020 / SW3050B/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Barium	0.024 (MG/KG)	U/None	< 0.011	< 1	L		1	0.0235
SW6020 / SW3050B/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Calcium	3.1 (MG/KG)	U/None	< 1.3	< 10	L		1	3.11
SW6020 / SW3050B/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Chromium	0.023 (MG/KG)	U/None	< 0.022	< 0.2	L		1	0.0232
SW6020 / SW3050B/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Iron	2.2 (MG/KG)	U/None	< 1.1	< 5	L		1	2.20
SW6020 / SW3050B/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Manganese	0.026 (MG/KG)	U/None	< 0.016	< 0.5	L		1	0.0259
SW6020 / SW3050B/NONE	Blank	MB 180-59046/1-A (LB) / MB 180-59046/1-A	1 / 1.00	Zinc	0.068 (MG/KG)	U/None	< 0.065	< 0.5	L		1	0.0677
SW6020 / SW3050B/NONE	Blank	MB 180-59053/1-A (LB) / MB 180-59053/1-A	1 / 1.00	Aluminum	0.68 (MG/KG)	U/None	< 0.28	< 3	L		1	0.676
SW6020 / SW3050B/NONE	Blank	MB 180-59053/1-A (LB) / MB 180-59053/1-A	1 / 1.00	Barium	0.013 (MG/KG)	U/None	< 0.011	< 1	L		1	0.0131
SW6020 / SW3050B/NONE	Blank	MB 180-59053/1-A (LB) / MB 180-59053/1-A	1 / 1.00	Calcium	2.2 (MG/KG)	U/None	< 1.3	< 10	L		1	2.21
SW6020 / SW3050B/NONE	Blank	MB 180-59053/1-A (LB) / MB 180-59053/1-A	1 / 1.00	Iron	2.4 (MG/KG)	U/None	< 1.1	< 5	L		1	2.35
SW6020 / SW3050B/NONE	Blank	MB 180-59053/1-A (LB) / MB 180-59053/1-A	1 / 1.00	Manganese	0.030 (MG/KG)	U/None	< 0.016	< 0.5	L		1	0.0303

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Antimony	0.16	0.10	0.10 J		MG/KG	TR
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Silver	0.078	0.031	0.031 J		MG/KG	TR
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Antimony	0.17	0.068	0.068 J		MG/KG	TR
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Silver	0.083	0.034	0.034 J		MG/KG	TR
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Antimony	0.18	0.070	0.070 J		MG/KG	TR
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Silver	0.088	0.034	0.034 J		MG/KG	TR
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Antimony	0.19	0.068	0.068 J		MG/KG	TR
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Silver	0.095	0.033	0.033 J		MG/KG	TR
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Antimony	0.18	0.080	0.080 J		MG/KG	TR
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Silver	0.088	0.031	0.031 J		MG/KG	TR
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Antimony	0.19	0.073	0.073 J		MG/KG	TR
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Silver	0.094	0.032	0.032 J		MG/KG	TR
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Antimony	0.17	0.083	0.083 J		MG/KG	TR
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Silver	0.087	0.034	0.034 J		MG/KG	TR
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Antimony	0.17	0.12	0.12 J		MG/KG	TR
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Silver	0.085	0.033	0.033 J		MG/KG	TR
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Antimony	0.18	0.052	0.052 J		MG/KG	TR
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Silver	0.091	0.028	0.028 J		MG/KG	TR
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Antimony	0.17	0.10	0.10 J		MG/KG	TR
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Silver	0.086	0.036	0.036 J		MG/KG	TR
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Antimony	0.19	0.072	0.072 J		MG/KG	TR
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Silver	0.093	0.022	0.022 J		MG/KG	TR
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Antimony	0.18	0.068	0.068 J		MG/KG	TR
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Selenium	0.45	0.44	0.44 J		MG/KG	TR
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Silver	0.089	0.025	0.025 J		MG/KG	TR
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Antimony	0.18	0.075	0.075 J		MG/KG	TR
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Silver	0.091	0.027	0.027 J		MG/KG	TR
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Antimony	0.19	0.070	0.070 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Silver	0.093	0.033	0.033 J		MG/KG	TR
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Antimony	0.19	0.077	0.077 J		MG/KG	TR
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Silver	0.093	0.028	0.028 J		MG/KG	TR
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Antimony	0.21	0.079	0.079 J		MG/KG	TR
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Silver	0.10	0.045	0.045 J		MG/KG	TR
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Antimony	0.18	0.059	0.059 J		MG/KG	TR
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Silver	0.091	0.040	0.040 J		MG/KG	TR
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Antimony	0.21	0.059	0.059 J		MG/KG	TR
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Silver	0.10	0.045	0.045 J		MG/KG	TR
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Antimony	0.22	0.077	0.077 J		MG/KG	TR
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Silver	0.11	0.051	0.051 J		MG/KG	TR
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Antimony	0.19	0.078	0.078 J		MG/KG	TR
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Silver	0.095	0.037	0.037 J		MG/KG	TR
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Antimony	0.22	0.072	0.072 J		MG/KG	TR
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Selenium	0.55	0.44	0.44 J		MG/KG	TR
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Silver	0.11	0.038	0.038 J		MG/KG	TR
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Antimony	0.21	0.077	0.077 J		MG/KG	TR
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Selenium	0.51	0.45	0.45 J		MG/KG	TR
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Silver	0.10	0.032	0.032 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Silver	0.078	0.031	0.031 J	MG/KG	TR
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Aluminum	2.3	13000	13000	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Arsenic	0.078	9.9	9.9	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Barium	0.78	81.0	81.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Beryllium	0.078	0.66	0.66	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Calcium	7.8	5900	5900	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Cadmium	0.078	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Cobalt	0.039	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Chromium	0.16	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Copper	0.16	16.0	16.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Iron	3.9	25000	25000	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Potassium	7.8	1300	1300	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Magnesium	7.8	4100	4100	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Manganese	0.39	300	300	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Sodium	7.8	49.0	49.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Nickel	0.078	24.0	24.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Lead	0.078	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Antimony	0.16	0.10	0.10 J	MG/KG	TR
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Selenium	0.39	0.65	0.65	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Thallium	0.078	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Vanadium	0.078	22.0	22.0	MG/KG	
SW6020/NONE	SO	069SB-0005M-0001-SO	240-17602-1	N	Zinc	0.39	44.0	44.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Silver	0.083	0.034	0.034 J	MG/KG	TR
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Aluminum	2.5	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Arsenic	0.083	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Barium	0.83	63.0	63.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Beryllium	0.083	0.56	0.56	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Calcium	8.3	25000	25000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Cadmium	0.083	0.18	0.18	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Cobalt	0.041	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Chromium	0.17	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Copper	0.17	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Iron	4.1	25000	25000	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Potassium	8.3	1900	1900	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Magnesium	8.3	6400	6400	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Manganese	0.41	360	360	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Sodium	8.3	79.0	79.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Nickel	0.083	25.0	25.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Lead	0.083	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Antimony	0.17	0.068	0.068 J	MG/KG	TR
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Selenium	0.41	0.48	0.48	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Thallium	0.083	0.16	0.16	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Vanadium	0.083	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0006M-0001-SO	240-17602-2	N	Zinc	0.41	48.0	48.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Silver	0.088	0.034	0.034 J	MG/KG	TR
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Aluminum	2.6	13000	13000	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Arsenic	0.088	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Barium	0.88	73.0	73.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Beryllium	0.088	0.58	0.58	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Calcium	8.8	31000	31000	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Cadmium	0.088	0.20	0.20	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Cobalt	0.044	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Chromium	0.18	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Copper	0.18	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Iron	4.4	27000	27000	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Potassium	8.8	2000	2000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Magnesium	8.8	7200	7200	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Manganese	0.44	350	350	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Sodium	8.8	79.0	79.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Nickel	0.088	27.0	27.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Lead	0.088	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Antimony	0.18	0.070	0.070 J	MG/KG	TR
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Selenium	0.44	0.58	0.58	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Thallium	0.088	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Vanadium	0.088	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0007M-0001-SO	240-17602-3	N	Zinc	0.44	51.0	51.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Silver	0.095	0.033	0.033 J	MG/KG	TR
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Aluminum	2.9	13000	13000	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Arsenic	0.095	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Barium	0.95	70.0	70.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Beryllium	0.095	0.67	0.67	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Calcium	9.5	23000	23000	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Cadmium	0.095	0.18	0.18	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Cobalt	0.048	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Chromium	0.19	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Copper	0.19	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Iron	4.8	27000	27000	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Potassium	9.5	2300	2300	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Magnesium	9.5	6500	6500	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Manganese	0.48	360	360	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Sodium	9.5	79.0	79.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Nickel	0.095	28.0	28.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Lead	0.095	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Antimony	0.19	0.068	0.068 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Selenium	0.48	0.58	0.58	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Thallium	0.095	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Vanadium	0.095	22.0	22.0	MG/KG	
SW6020/NONE	SO	069SB-0008M-0001-SO	240-17602-4	N	Zinc	0.48	53.0	53.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Silver	0.088	0.031	0.031 J	MG/KG	TR
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Aluminum	2.6	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Arsenic	0.088	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Barium	0.88	56.0	56.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Beryllium	0.088	0.52	0.52	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Calcium	8.8	18000	18000	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Cadmium	0.088	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Cobalt	0.044	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Chromium	0.18	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Copper	0.18	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Iron	4.4	24000	24000	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Potassium	8.8	1500	1500	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Magnesium	8.8	5000	5000	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Manganese	0.44	300	300	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Sodium	8.8	57.0	57.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Nickel	0.088	24.0	24.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Lead	0.088	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Antimony	0.18	0.080	0.080 J	MG/KG	TR
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Selenium	0.44	0.55	0.55	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Thallium	0.088	0.15	0.15	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Vanadium	0.088	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0009M-0001-SO	240-17602-5	N	Zinc	0.44	47.0	47.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Silver	0.094	0.032	0.032 J	MG/KG	TR
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Aluminum	2.8	12000	12000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Arsenic	0.094	9.9	9.9	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Barium	0.94	72.0	72.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Beryllium	0.094	0.60	0.60	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Calcium	9.4	20000	20000	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Cadmium	0.094	0.21	0.21	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Cobalt	0.047	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Chromium	0.19	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Copper	0.19	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Iron	4.7	27000	27000	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Potassium	9.4	1600	1600	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Magnesium	9.4	5700	5700	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Manganese	0.47	390	390	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Sodium	9.4	83.0	83.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Nickel	0.094	28.0	28.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Lead	0.094	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Antimony	0.19	0.073	0.073 J	MG/KG	TR
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Selenium	0.47	0.60	0.60	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Thallium	0.094	0.16	0.16	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Vanadium	0.094	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0010M-0001-SO	240-17602-6	N	Zinc	0.47	49.0	49.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Silver	0.087	0.034	0.034 J	MG/KG	TR
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Aluminum	2.6	12000	12000	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Arsenic	0.087	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Barium	0.87	68.0	68.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Beryllium	0.087	0.54	0.54	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Calcium	8.7	10000	10000	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Cadmium	0.087	0.19	0.19	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Cobalt	0.043	11.0	11.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Chromium	0.17	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Copper	0.17	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Iron	4.3	26000	26000	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Potassium	8.7	1400	1400	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Magnesium	8.7	4600	4600	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Manganese	0.43	370	370	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Sodium	8.7	52.0	52.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Nickel	0.087	26.0	26.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Lead	0.087	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Antimony	0.17	0.083	0.083 J	MG/KG	TR
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Selenium	0.43	0.59	0.59	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Thallium	0.087	0.16	0.16	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Vanadium	0.087	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0011M-0001-SO	240-17602-7	N	Zinc	0.43	50.0	50.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Silver	0.085	0.033	0.033 J	MG/KG	TR
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Aluminum	2.5	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Arsenic	0.085	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Barium	0.85	66.0	66.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Beryllium	0.085	0.62	0.62	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Calcium	8.5	8900	8900	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Cadmium	0.085	0.19	0.19	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Cobalt	0.042	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Chromium	0.17	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Copper	0.17	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Iron	4.2	25000	25000	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Potassium	8.5	1100	1100	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Magnesium	8.5	4100	4100	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Manganese	0.42	260	260	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Sodium	8.5	48.0	48.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Nickel	0.085	26.0	26.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Lead	0.085	13.0	13.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Antimony	0.17	0.12	0.12 J	MG/KG	TR
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Selenium	0.42	0.56	0.56	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Thallium	0.085	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Vanadium	0.085	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0012M-0001-SO	240-17602-8	N	Zinc	0.42	56.0	56.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Silver	0.091	0.028	0.028 J	MG/KG	TR
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Aluminum	2.7	9700	9700	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Arsenic	0.091	13.0	13.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Barium	0.91	39.0	39.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Beryllium	0.091	0.50	0.50	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Calcium	9.1	10000	10000	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Cadmium	0.091	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Cobalt	0.045	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Chromium	0.18	16.0	16.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Copper	0.18	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Iron	4.5	26000	26000	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Potassium	9.1	1500	1500	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Magnesium	9.1	4800	4800	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Manganese	0.45	320	320	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Sodium	9.1	77.0	77.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Nickel	0.091	25.0	25.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Lead	0.091	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Antimony	0.18	0.052	0.052 J	MG/KG	TR
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Selenium	0.45	0.47	0.47	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Thallium	0.091	0.13	0.13	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Vanadium	0.091	15.0	15.0	MG/KG	
SW6020/NONE	SO	069SB-0013M-0001-SO	240-17602-9	N	Zinc	0.45	54.0	54.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Silver	0.086	0.036	0.036 J	MG/KG	TR
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Aluminum	2.6	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Arsenic	0.086	13.0	13.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Barium	0.86	57.0	57.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Beryllium	0.086	0.58	0.58	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Calcium	8.6	12000	12000	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Cadmium	0.086	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Cobalt	0.043	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Chromium	0.17	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Copper	0.17	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Iron	4.3	25000	25000	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Potassium	8.6	1600	1600	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Magnesium	8.6	5000	5000	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Manganese	0.43	330	330	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Sodium	8.6	65.0	65.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Nickel	0.086	28.0	28.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Lead	0.086	13.0	13.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Antimony	0.17	0.10	0.10 J	MG/KG	TR
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Selenium	0.43	0.50	0.50	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Thallium	0.086	0.15	0.15	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Vanadium	0.086	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0014M-0001-SO	240-17602-10	N	Zinc	0.43	56.0	56.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Silver	0.093	0.022	0.022 J	MG/KG	TR
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Aluminum	2.8	9000	9000	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Arsenic	0.093	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Barium	0.93	43.0	43.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Beryllium	0.093	0.49	0.49	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Calcium	9.3	2500	2500	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Cadmium	0.093	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Cobalt	0.047	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Chromium	0.19	14.0	14.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Copper	0.19	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Iron	4.7	23000	23000	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Potassium	9.3	960	960	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Magnesium	9.3	3200	3200	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Manganese	0.47	250	250	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Sodium	9.3	41.0	41.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Nickel	0.093	23.0	23.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Lead	0.093	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Antimony	0.19	0.072	0.072 J	MG/KG	TR
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Selenium	0.47	0.64	0.64	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Thallium	0.093	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Vanadium	0.093	15.0	15.0	MG/KG	
SW6020/NONE	SO	069SB-0015M-0001-SO	240-17602-11	N	Zinc	0.47	55.0	55.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Silver	0.089	0.025	0.025 J	MG/KG	TR
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Aluminum	2.7	10000	10000	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Arsenic	0.089	14.0	14.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Barium	0.89	50.0	50.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Beryllium	0.089	0.57	0.57	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Calcium	8.9	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Cadmium	0.089	0.18	0.18	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Cobalt	0.045	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Chromium	0.18	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Copper	0.18	18.0	18.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Iron	4.5	24000	24000	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Potassium	8.9	1500	1500	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Magnesium	8.9	4600	4600	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Manganese	0.45	330	330	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Sodium	8.9	62.0	62.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Nickel	0.089	26.0	26.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Lead	0.089	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Antimony	0.18	0.068	0.068 J	MG/KG	TR
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Selenium	0.45	0.44	0.44 J	MG/KG	TR
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Thallium	0.089	0.16	0.16	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Vanadium	0.089	16.0	16.0	MG/KG	
SW6020/NONE	SO	069SB-0016M-0001-SO	240-17602-12	N	Zinc	0.45	58.0	58.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Silver	0.091	0.027	0.027 J	MG/KG	TR
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Aluminum	2.7	9900	9900	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Arsenic	0.091	14.0	14.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Barium	0.91	41.0	41.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Beryllium	0.091	0.51	0.51	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Calcium	9.1	2900	2900	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Cadmium	0.091	0.15	0.15	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Cobalt	0.045	9.6	9.6	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Chromium	0.18	16.0	16.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Copper	0.18	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Iron	4.5	25000	25000	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Potassium	9.1	1300	1300	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Magnesium	9.1	3700	3700	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Manganese	0.45	300	300	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Sodium	9.1	55.0	55.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Nickel	0.091	23.0	23.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Lead	0.091	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Antimony	0.18	0.075	0.075 J	MG/KG	TR
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Selenium	0.45	0.45	0.45	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Thallium	0.091	0.14	0.14	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Vanadium	0.091	15.0	15.0	MG/KG	
SW6020/NONE	SO	069SB-0017M-0001-SO	240-17602-13	N	Zinc	0.45	56.0	56.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Silver	0.093	0.033	0.033 J	MG/KG	TR
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Aluminum	2.8	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Arsenic	0.093	9.8	9.8	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Barium	0.93	68.0	68.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Beryllium	0.093	0.61	0.61	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Calcium	9.3	13000	13000	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Cadmium	0.093	0.21	0.21	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Cobalt	0.046	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Chromium	0.19	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Copper	0.19	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Iron	4.6	24000	24000	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Potassium	9.3	1600	1600	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Magnesium	9.3	4900	4900	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Manganese	0.46	330	330	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Sodium	9.3	62.0	62.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Nickel	0.093	26.0	26.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Lead	0.093	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Antimony	0.19	0.070	0.070 J	MG/KG	TR
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Selenium	0.46	0.50	0.50	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Thallium	0.093	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Vanadium	0.093	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0018M-0001-SO	240-17602-14	N	Zinc	0.46	51.0	51.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Silver	0.093	0.028	0.028 J	MG/KG	TR
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Aluminum	2.8	5000	5000	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Arsenic	0.093	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Barium	0.93	22.0	22.0	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Beryllium	0.093	0.29	0.29	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Calcium	9.3	980	980	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Cadmium	0.093	0.18	0.18	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Cobalt	0.047	6.8	6.8	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Chromium	0.19	8.1	8.1	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Copper	0.19	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Iron	4.7	16000	16000	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Potassium	9.3	810	810	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Magnesium	9.3	2300	2300	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Manganese	0.47	170	170	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Sodium	9.3	47.0	47.0	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Nickel	0.093	16.0	16.0	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Lead	0.093	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Antimony	0.19	0.077	0.077 J	MG/KG	TR
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Selenium	0.47	0.51	0.51	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Thallium	0.093	0.11	0.11	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Vanadium	0.093	8.8	8.8	MG/KG	
SW6020/NONE	SO	069SB-0019M-0001-SO	240-17602-15	N	Zinc	0.47	52.0	52.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Silver	0.10	0.045	0.045 J	MG/KG	TR
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Aluminum	3.1	13000	13000	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Arsenic	0.10	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Barium	1.0	78.0	78.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Beryllium	0.10	0.66	0.66	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Calcium	10.0	28000	28000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Cadmium	0.10	0.23	0.23	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Cobalt	0.052	13.0	13.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Chromium	0.21	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Copper	0.21	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Iron	5.2	29000	29000	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Potassium	10.0	1900	1900	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Magnesium	10.0	7700	7700	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Manganese	0.52	430	430	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Sodium	10.0	86.0	86.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Nickel	0.10	31.0	31.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Lead	0.10	14.0	14.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Antimony	0.21	0.079	0.079 J	MG/KG	TR
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Selenium	0.52	0.60	0.60	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Thallium	0.10	0.20	0.20	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Vanadium	0.10	23.0	23.0	MG/KG	
SW6020/NONE	SO	069SB-0020M-0001-SO	240-17602-16	N	Zinc	0.52	61.0	61.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Silver	0.091	0.040	0.040 J	MG/KG	TR
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Aluminum	2.7	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Arsenic	0.091	14.0	14.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Barium	0.91	65.0	65.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Beryllium	0.091	0.58	0.58	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Calcium	9.1	32000	32000	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Cadmium	0.091	0.18	0.18	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Cobalt	0.046	11.0	11.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Chromium	0.18	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Copper	0.18	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Iron	4.6	28000	28000	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Potassium	9.1	2000	2000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Magnesium	9.1	7300	7300	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Manganese	0.46	360	360	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Sodium	9.1	90.0	90.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Nickel	0.091	27.0	27.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Lead	0.091	13.0	13.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Antimony	0.18	0.059	0.059 J	MG/KG	TR
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Selenium	0.46	0.46	0.46	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Thallium	0.091	0.19	0.19	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Vanadium	0.091	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0021M-0001-SO	240-17602-17	N	Zinc	0.46	61.0	61.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Silver	0.10	0.045	0.045 J	MG/KG	TR
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Aluminum	3.1	12000	12000	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Arsenic	0.10	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Barium	1.0	84.0	84.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Beryllium	0.10	0.60	0.60	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Calcium	10.0	52000	52000	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Cadmium	0.10	0.21	0.21	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Cobalt	0.051	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Chromium	0.21	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Copper	0.21	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Iron	5.1	27000	27000	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Potassium	10.0	2000	2000	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Magnesium	10.0	8600	8600	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Manganese	0.51	430	430	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Sodium	10.0	100	100	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Nickel	0.10	29.0	29.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Lead	0.10	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Antimony	0.21	0.059	0.059 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Selenium	0.51	0.59	0.59	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Thallium	0.10	0.20	0.20	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Vanadium	0.10	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0022M-0001-SO	240-17602-18	N	Zinc	0.51	57.0	57.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Silver	0.11	0.051	0.051 J	MG/KG	TR
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Aluminum	3.3	14000	14000	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Arsenic	0.11	10.0	10.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Barium	1.1	82.0	82.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Beryllium	0.11	0.74	0.74	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Calcium	11.0	37000	37000	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Cadmium	0.11	0.26	0.26	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Cobalt	0.055	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Chromium	0.22	23.0	23.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Copper	0.22	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Iron	5.5	29000	29000	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Potassium	11.0	2300	2300	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Magnesium	11.0	7900	7900	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Manganese	0.55	440	440	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Sodium	11.0	97.0	97.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Nickel	0.11	32.0	32.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Lead	0.11	16.0	16.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Antimony	0.22	0.077	0.077 J	MG/KG	TR
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Selenium	0.55	0.60	0.60	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Thallium	0.11	0.21	0.21	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Vanadium	0.11	24.0	24.0	MG/KG	
SW6020/NONE	SO	069SB-0023M-0001-SO	240-17602-19	N	Zinc	0.55	61.0	61.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Silver	0.095	0.037	0.037 J	MG/KG	TR
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Aluminum	2.8	13000	13000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Arsenic	0.095	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Barium	0.95	70.0	70.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Beryllium	0.095	0.65	0.65	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Calcium	9.5	30000	30000	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Cadmium	0.095	0.19	0.19	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Cobalt	0.047	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Chromium	0.19	22.0	22.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Copper	0.19	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Iron	4.7	28000	28000	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Potassium	9.5	2500	2500	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Magnesium	9.5	8100	8100	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Manganese	0.47	410	410	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Sodium	9.5	100	100	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Nickel	0.095	29.0	29.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Lead	0.095	13.0	13.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Antimony	0.19	0.078	0.078 J	MG/KG	TR
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Selenium	0.47	0.49	0.49	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Thallium	0.095	0.20	0.20	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Vanadium	0.095	22.0	22.0	MG/KG	
SW6020/NONE	SO	069SB-0024M-0001-SO	240-17602-20	N	Zinc	0.47	59.0	59.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Silver	0.11	0.038	0.038 J	MG/KG	TR
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Aluminum	3.3	10000	10000	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Arsenic	0.11	15.0	15.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Barium	1.1	52.0	52.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Beryllium	0.11	0.54	0.54	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Calcium	11.0	14000	14000	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Cadmium	0.11	0.18	0.18	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Cobalt	0.055	11.0	11.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Chromium	0.22	19.0	19.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Copper	0.22	20.0	20.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Iron	5.5	28000	28000	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Potassium	11.0	1700	1700	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Magnesium	11.0	5900	5900	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Manganese	0.55	350	350	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Sodium	11.0	72.0	72.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Nickel	0.11	27.0	27.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Lead	0.11	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Antimony	0.22	0.072	0.072 J	MG/KG	TR
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Selenium	0.55	0.44	0.44 J	MG/KG	TR
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Thallium	0.11	0.17	0.17	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Vanadium	0.11	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0025M-0001-SO	240-17602-21	N	Zinc	0.55	61.0	61.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Silver	0.10	0.032	0.032 J	MG/KG	TR
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Aluminum	3.1	11000	11000	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Arsenic	0.10	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Barium	1.0	48.0	48.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Beryllium	0.10	0.58	0.58	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Calcium	10.0	9200	9200	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Cadmium	0.10	0.19	0.19	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Cobalt	0.051	12.0	12.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Chromium	0.21	18.0	18.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Copper	0.21	21.0	21.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Iron	5.1	29000	29000	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Potassium	10.0	1500	1500	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Magnesium	10.0	5200	5200	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Manganese	0.51	370	370	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Sodium	10.0	62.0	62.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Nickel	0.10	29.0	29.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Lead	0.10	14.0	14.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Antimony	0.21	0.077	0.077 J	MG/KG	TR
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Selenium	0.51	0.45	0.45 J	MG/KG	TR
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Thallium	0.10	0.15	0.15	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Vanadium	0.10	17.0	17.0	MG/KG	
SW6020/NONE	SO	069SB-0026M-0001-SO	240-17602-22	N	Zinc	0.51	65.0	65.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Rejected Results

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Anomalies Count

SDG Name: 240-17602-2

Test/Extraction Method/Leach	# of Field Samples Outside of Compliance	# of Analytes Outside of Compliance
SW6020/SW3050B/NONE	5	15

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Reporting Anomalies

SDG Name: 240-17602-2

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	069SB-0020M-0001-SO	N	1	Selenium	0.6	0.053	0.52	0.5	MG/KG
SW6020/NONE	069SB-0022M-0001-SO	N	1	Selenium	0.59	0.052	0.51	0.5	MG/KG
SW6020/NONE	069SB-0023M-0001-SO	N	1	Barium	82	0.012	1.1	1	MG/KG
SW6020/NONE	069SB-0023M-0001-SO	N	1	Beryllium	0.74	0.0083	0.11	0.1	MG/KG
SW6020/NONE	069SB-0023M-0001-SO	N	1	Cadmium	0.26	0.015	0.11	0.1	MG/KG
SW6020/NONE	069SB-0023M-0001-SO	N	1	Calcium	37000	1.5	11	10	MG/KG
SW6020/NONE	069SB-0023M-0001-SO	N	1	Magnesium	7900	1.2	11	10	MG/KG
SW6020/NONE	069SB-0023M-0001-SO	N	1	Selenium	0.6	0.056	0.55	0.5	MG/KG
SW6020/NONE	069SB-0025M-0001-SO	N	1	Barium	52	0.012	1.1	1	MG/KG
SW6020/NONE	069SB-0025M-0001-SO	N	1	Beryllium	0.54	0.0083	0.11	0.1	MG/KG
SW6020/NONE	069SB-0025M-0001-SO	N	1	Cadmium	0.18	0.015	0.11	0.1	MG/KG
SW6020/NONE	069SB-0025M-0001-SO	N	1	Calcium	14000	1.5	11	10	MG/KG
SW6020/NONE	069SB-0025M-0001-SO	N	1	Magnesium	5900	1.2	11	10	MG/KG
SW6020/NONE	069SB-0025M-0001-SO	N	1	Selenium	0.44 J	0.056	0.55	0.5	MG/KG
SW6020/NONE	069SB-0026M-0001-SO	N	1	Selenium	0.45 J	0.052	0.51	0.5	MG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Worksheet

SDG Name: 240-17602-2

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			Several analytes were detected but below RL.
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Was an Interference Check Standard (ICS) run at the beginning and end of every run?	•			
Was the ICS recovery within QAPP acceptance limits?	•			
If a field duplicate was analyzed, were the RPDs within criteria?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Was a MS/MSD pair prepared with each batch?	•			Only in Batch: 59053, MS and DUP
Is the MS/MSD parent sample the one designated by the sampling team?		•		
Were the MS/MSD within QAPP acceptance limits?		•		Al, Fe, and Mn recovered high.
Was a serial dilution prepared and analyzed with each batch?	•			
Was the serial dilution within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			

AUTOMATED DATA REVIEW SUMMARY for 240-17602-2

Method: SW6020

Review Questions

Yes

No

NA

Comment

Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?

•

WORKSHEET 5

Automated Data Review Summary for 240-49085-1

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Facility: Ravenna Army Ammunition Plant
 Event: Spring 2015
 Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
 Contract Laboratory: TestAmerica Laboratories, Inc., North Canton, OH
 Field Contractor: Environmental Chemical Corporation, Marlborough, MA
 Data Review Contractor: ECC
 SDG: 240-49085-1_, Certified - 4/23/2015 by frederickroche
 QC Level: ADR
 Project Manager:
 Data Reviewer: Veronica Champagne
 Data Reviewer Title: Associate Environmental Scientist
 Date of Review Report: April 24, 2015
 Second Reviewer:
 Completion Date of Second Reviewer:

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW8260B/NONE	30	4	4	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Marlborough, MA; analyses were performed by TestAmerica Laboratories, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-49085-1_. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Surrogate
- Blank - Negative
- Test Hold Time
- MS RPD
- LCS Recovery
- Blank
- Prep Hold Time
- Field Duplicate RPD
- MS Recovery

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- LCS RPD
- Calibration Blank - Negative
- Continuing Calibration Verification
- Ambient Blank
- Equipment Blank
- Calibration Blank
- Trip Blank
- Field Blank
- Initial Calibration Verification
- Material Blank
- Lab Replicate RPD

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 493 results (36.04%) out of the 1368 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
SW8260B	Carbon disulfide and chloroethane were analyzed in a secondary run for samples 1-8, 14, 15, 23, 25-28, and 33. Acetone and methylene chloride were analyzed in a secondary run for samples 9-13, 16, 18-22, 24-, 29-32, and 34.

April 24, 2015

Reviewed by Veronica Champagne, Associate
Environmental Scientist

Qualified Results

Test Method: SW8260B		Extraction Method: SW5030B		Leach Method: NONE		Matrix: WG		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0063-0001-TB	N	Acetone	10.0	1.8 J	10.0 U	+	UG/L	L
069SB-0063-0001-TB	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	N	Acetone	10.0	1.7 J	10.0 U	+	UG/L	L
069SB-0064-0001-TB	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	N	Acetone	10.0	1.8 J	10.0 U	+	UG/L	L
069SB-0065-0001-TB	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	N	Acetone	10.0	1.7 J	10.0 U	+	UG/L	L
069SB-0066-0001-TB	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0029-0001-SO	N	1,1,1-Trichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,1,2,2-Tetrachloroethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,1,2-Trichloroethane	220	220 U J	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,1-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,1-Dichloroethene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,2-Dibromoethane (EDB)	220	220 U J Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,2-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,2-Dichloroethene	440	440 U	440 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	1,2-Dichloropropane	220	220 U J	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	2-Butanone (MEK)	890	890 U	890 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	2-Hexanone	890	890 U	890 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	4-Methyl-2-pentanone (MIBK)	890	890 U	890 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0029-0001-SO	N	Acetone	890	890 U	890 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Benzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Bromochloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Bromodichloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Bromoform	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Bromomethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Carbon disulfide	220	220 U J Q	220 UJ	-	UG/KG	C/M/I
069SB-0029-0001-SO	N	Carbon tetrachloride	220	370	370 J	-	UG/KG	I
069SB-0029-0001-SO	N	Chlorobenzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Chloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Chloroform	220	54.0 J	54.0 J	-	UG/KG	I/TR
069SB-0029-0001-SO	N	Chloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	cis-1,3-Dichloropropene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Dibromochloromethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Ethylbenzene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Methyl tert-butyl ether (MTBE)	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Methylene chloride	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Styrene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Tetrachloroethene (PCE)	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Toluene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	trans-1,3-Dichloropropene	220	220 U J	220 UJ	-	UG/KG	I/J
069SB-0029-0001-SO	N	Trichloroethene (TCE)	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	N	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C/I
069SB-0029-0001-SO	N	Xylenes, Total	440	440 U Q	440 UJ	-	UG/KG	I
069SB-0030-0001-SO	N	Carbon disulfide	210	210 U Q	210 UJ	-	UG/KG	C
069SB-0030-0001-SO	N	Chloroform	210	69.0 J	69.0 J		UG/KG	TR
069SB-0030-0001-SO	N	Styrene	210	8.2 J Q	8.2 J		UG/KG	TR
069SB-0030-0001-SO	N	Vinyl chloride	210	210 U	210 UJ	-	UG/KG	C
069SB-0031-0001-SO	N	1,1,1-Trichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,1,2,2-Tetrachloroethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,1,2-Trichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,1-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,1-Dichloroethene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,2-Dibromoethane (EDB)	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,2-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,2-Dichloroethene	440	440 U	440 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	1,2-Dichloropropane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	2-Butanone (MEK)	880	880 U	880 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	2-Hexanone	880	880 U	880 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	4-Methyl-2-pentanone (MIBK)	880	880 U	880 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Acetone	880	310 J	310 J		UG/KG	I/TR/J

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0031-0001-SO	N	Benzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Bromochloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Bromodichloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Bromoform	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Bromomethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Carbon disulfide	220	220 U Q	220 UJ	-	UG/KG	C
069SB-0031-0001-SO	N	Carbon tetrachloride	220	4300	4300 J	-	UG/KG	I
069SB-0031-0001-SO	N	Chlorobenzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Chloroform	220	190 J	190 J	-	UG/KG	I/TR
069SB-0031-0001-SO	N	Chloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	cis-1,3-Dichloropropene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Dibromochloromethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Ethylbenzene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Methyl tert-butyl ether (MTBE)	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Methylene chloride	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Styrene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Tetrachloroethene (PCE)	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Toluene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	trans-1,3-Dichloropropene	220	220 U	220 U	-	UG/KG	I
069SB-0031-0001-SO	N	Trichloroethene (TCE)	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	N	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C/I
069SB-0031-0001-SO	N	Xylenes, Total	440	440 U Q	440 UJ	-	UG/KG	I
069SB-0032-0001-SO	FD	Acetone	890	260 J	260 J	+	UG/KG	TR/J
069SB-0032-0001-SO	FD	Carbon disulfide	220	220 U Q	220 UJ	-	UG/KG	C
069SB-0032-0001-SO	FD	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C
069SB-0033-0001-SO	N	1,1,1-Trichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,1,2,2-Tetrachloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,1,2-Trichloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,1-Dichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,1-Dichloroethene	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,2-Dibromoethane (EDB)	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,2-Dichloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,2-Dichloroethene	470	470 U	470 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	1,2-Dichloropropane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	2-Butanone (MEK)	940	940 U	940 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	2-Hexanone	940	940 U	940 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	4-Methyl-2-pentanone (MIBK)	940	940 U Q	940 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Acetone	940	530 J	530 J		UG/KG	I/TR/J
069SB-0033-0001-SO	N	Benzene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Bromochloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Bromodichloromethane	240	240 U Q	240 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0033-0001-SO	N	Bromoform	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Bromomethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Carbon disulfide	240	240 U Q	240 UJ	-	UG/KG	C
069SB-0033-0001-SO	N	Carbon tetrachloride	240	8400 Q	8400 J	-	UG/KG	I
069SB-0033-0001-SO	N	Chlorobenzene	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Chloroform	240	150 J	150 J	-	UG/KG	I/TR
069SB-0033-0001-SO	N	Chloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	cis-1,3-Dichloropropene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Dibromochloromethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Ethylbenzene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Methyl tert-butyl ether (MTBE)	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Methylene chloride	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Styrene	240	7.6 J Q	7.6 J	-	UG/KG	I/TR
069SB-0033-0001-SO	N	Tetrachloroethene (PCE)	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Toluene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	trans-1,3-Dichloropropene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	N	Trichloroethene (TCE)	240	20.0 J Q	20.0 J	-	UG/KG	I/TR
069SB-0033-0001-SO	N	Vinyl chloride	240	240 U	240 UJ	-	UG/KG	C/I
069SB-0033-0001-SO	N	Xylenes, Total	470	470 U Q	470 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,1,1-Trichloroethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,1,2,2-Tetrachloroethane	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,1,2-Trichloroethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,1-Dichloroethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,1-Dichloroethene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,2-Dibromoethane (EDB)	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,2-Dichloroethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,2-Dichloroethene	420	420 U	420 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	1,2-Dichloropropane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	2-Butanone (MEK)	850	850 U	850 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	2-Hexanone	850	850 U	850 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	4-Methyl-2-pentanone (MIBK)	850	850 U	850 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Acetone	850	370 J	370 J		UG/KG	I/TR/J
069SB-0034-0001-SO	N	Benzene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Bromochloromethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Bromodichloromethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Bromoform	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Bromomethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Carbon disulfide	210	210 U Q	210 UJ	-	UG/KG	C
069SB-0034-0001-SO	N	Carbon tetrachloride	210	7900	7900 J	-	UG/KG	I
069SB-0034-0001-SO	N	Chlorobenzene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Chloroform	210	330	330 J	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0034-0001-SO	N	Chloromethane	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	cis-1,3-Dichloropropene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Dibromochloromethane	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Ethylbenzene	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Methyl tert-butyl ether (MTBE)	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Methylene chloride	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Styrene	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Tetrachloroethene (PCE)	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Toluene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	trans-1,3-Dichloropropene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Trichloroethene (TCE)	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	N	Vinyl chloride	210	210 U	210 UJ	-	UG/KG	C/I
069SB-0034-0001-SO	N	Xylenes, Total	420	420 U Q	420 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,1,1-Trichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,1,2,2-Tetrachloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,1,2-Trichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,1-Dichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,1-Dichloroethene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,2-Dibromoethane (EDB)	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,2-Dichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,2-Dichloroethene	480	480 U	480 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	1,2-Dichloropropane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	2-Butanone (MEK)	960	960 U	960 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	2-Hexanone	960	960 U	960 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	4-Methyl-2-pentanone (MIBK)	960	960 U	960 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Acetone	960	340 J	340 J		UG/KG	I/TR/J
069SB-0035-0001-SO	N	Benzene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Bromochloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Bromodichloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Bromoform	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Bromomethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Carbon disulfide	240	240 U Q	240 UJ	-	UG/KG	C/I
069SB-0035-0001-SO	N	Carbon tetrachloride	240	3800	3800 J	-	UG/KG	I
069SB-0035-0001-SO	N	Chlorobenzene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Chloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Chloroform	240	870	870 J	-	UG/KG	I
069SB-0035-0001-SO	N	Chloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	cis-1,3-Dichloropropene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Dibromochloromethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Ethylbenzene	240	240 U Q	240 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0035-0001-SO	N	Methyl tert-butyl ether (MTBE)	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Methylene chloride	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Styrene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Tetrachloroethene (PCE)	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Toluene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	trans-1,3-Dichloropropene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Trichloroethene (TCE)	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	N	Vinyl chloride	240	240 U	240 UJ	-	UG/KG	C/I
069SB-0035-0001-SO	N	Xylenes, Total	480	480 U Q	480 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,1,1-Trichloroethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,1,2,2-Tetrachloroethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,1,2-Trichloroethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,1-Dichloroethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,1-Dichloroethene	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,2-Dibromoethane (EDB)	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,2-Dichloroethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,2-Dichloroethene	500	500 U	500 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	1,2-Dichloropropane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	2-Butanone (MEK)	1000	1000 U	1000 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	2-Hexanone	1000	1000 U	1000 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	4-Methyl-2-pentanone (MIBK)	1000	1000 U Q	1000 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Acetone	1000	410 J	410 J		UG/KG	I/TR/J
069SB-0036-0001-SO	N	Benzene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Bromochloromethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Bromodichloromethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Bromoform	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Bromomethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Carbon disulfide	250	250 U Q	250 UJ	-	UG/KG	C
069SB-0036-0001-SO	N	Carbon tetrachloride	250	5400 Q	5400 J	-	UG/KG	I
069SB-0036-0001-SO	N	Chlorobenzene	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Chloroform	250	540	540 J	-	UG/KG	I
069SB-0036-0001-SO	N	Chloromethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	cis-1,3-Dichloropropene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Dibromochloromethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Ethylbenzene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Methyl tert-butyl ether (MTBE)	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Methylene chloride	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Styrene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Tetrachloroethene (PCE)	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Toluene	250	250 U Q	250 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	N	trans-1,3-Dichloropropene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Trichloroethene (TCE)	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	N	Vinyl chloride	250	250 U	250 UJ	-	UG/KG	C/I
069SB-0036-0001-SO	N	Xylenes, Total	500	500 U Q	500 UJ	-	UG/KG	I
069SB-0037-0001-SO	N	Acetone	20.0	20.0 U	20.0 UJ		UG/KG	I
069SB-0037-0001-SO	N	Carbon tetrachloride	4.3	0.63 J	0.63 J		UG/KG	TR
069SB-0037-0001-SO	N	Methylene chloride	5.0	5.0 U	5.0 UJ		UG/KG	I
069SB-0037-0001-SO	N	trans-1,3-Dichloropropene	4.3	4.3 U	4.3 UJ	-	UG/KG	J
069SB-0038-0001-SO	N	Acetone	16.0	38.0	38.0 J		UG/KG	I/J
069SB-0038-0001-SO	N	Methylene chloride	4.0	7.7	7.7 J	-	UG/KG	I
069SB-0038-0001-SO	N	trans-1,3-Dichloropropene	4.2	4.2 U	4.2 UJ	-	UG/KG	J
069SB-0039-0001-SO	N	Acetone	29.0	13.0 J	29.0 UJ		UG/KG	L/I
069SB-0039-0001-SO	N	Methylene chloride	7.2	7.2 U	7.2 UJ	-	UG/KG	I
069SB-0039-0001-SO	N	trans-1,3-Dichloropropene	5.9	5.9 U	5.9 UJ	-	UG/KG	J
069SB-0040-0001-SO	FD	Acetone	16.0	16.0 U	16.0 UJ		UG/KG	I
069SB-0040-0001-SO	FD	Methylene chloride	4.0	4.0 U	4.0 UJ	-	UG/KG	I
069SB-0040-0001-SO	FD	trans-1,3-Dichloropropene	3.9	3.9 U	3.9 UJ	-	UG/KG	J
069SB-0041-0001-SO	N	Acetone	17.0	17.0	17.0 UJ		UG/KG	L/I
069SB-0041-0001-SO	N	Methylene chloride	4.1	7.3	7.3 J	-	UG/KG	I
069SB-0041-0001-SO	N	trans-1,3-Dichloropropene	5.3	5.3 U	5.3 UJ	-	UG/KG	J
069SB-0042-0001-SO	N	1,1,1-Trichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,1,2,2-Tetrachloroethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,1,2-Trichloroethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,1-Dichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,1-Dichloroethene	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,2-Dibromoethane (EDB)	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,2-Dichloroethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,2-Dichloroethene	470	470 U	470 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	1,2-Dichloropropane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	2-Butanone (MEK)	940	940 U	940 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	2-Hexanone	940	940 U	940 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	4-Methyl-2-pentanone (MIBK)	940	940 U Q	940 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Acetone	940	300 J	300 J		UG/KG	I/TR/J
069SB-0042-0001-SO	N	Benzene	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Bromochloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Bromodichloromethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Bromoform	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Bromomethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Carbon disulfide	230	230 U Q	230 UJ	-	UG/KG	C
069SB-0042-0001-SO	N	Carbon tetrachloride	230	550 Q	550 J	-	UG/KG	I
069SB-0042-0001-SO	N	Chlorobenzene	230	230 U	230 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0042-0001-SO	N	Chloroform	230	58.0 J	58.0 J	-	UG/KG	I/TR
069SB-0042-0001-SO	N	Chloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	cis-1,3-Dichloropropene	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Dibromochloromethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Ethylbenzene	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Methyl tert-butyl ether (MTBE)	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Methylene chloride	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Styrene	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Tetrachloroethene (PCE)	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Toluene	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	trans-1,3-Dichloropropene	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Trichloroethene (TCE)	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	N	Vinyl chloride	230	230 U	230 UJ	-	UG/KG	C/I
069SB-0042-0001-SO	N	Xylenes, Total	470	470 U Q	470 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Acetone	830	240 J	240 J	+	UG/KG	J/TR
069SB-0043-0001-SO	N	Bromomethane	210	210 U	210 UJ	-	UG/KG	C
069SB-0043-0001-SO	N	Carbon disulfide	210	210 U Q	210 UJ	-	UG/KG	C
069SB-0043-0001-SO	N	Chloroform	210	54.0 J	54.0 J		UG/KG	TR
069SB-0043-0001-SO	N	Chloromethane	210	210 U	210 UJ	-	UG/KG	C
069SB-0043-0001-SO	N	Vinyl chloride	210	210 U	210 UJ	-	UG/KG	C
069SB-0044-0001-SO	N	1,1,2,2-Tetrachloroethane	4.1	4.1 U	4.1 UJ		UG/KG	S
069SB-0044-0001-SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	I
069SB-0044-0001-SO	N	Methylene chloride	4.4	3.4 J	3.4 J	-	UG/KG	I/TR
069SB-0044-0001-SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0046-0001-SO	N	Acetone	17.0	14.0 J	17.0 U	+	UG/KG	L
069SB-0046-0001-SO	N	Methylene chloride	4.3	2.8 J B	4.3 U	+	UG/KG	L
069SB-0046-0001-SO	N	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0047-0001-SO	FD	Acetone	16.0	15.0 J	16.0 U	+	UG/KG	L
069SB-0047-0001-SO	FD	Methylene chloride	12.0	12.0 B	12.0 U	+	UG/KG	L
069SB-0047-0001-SO	FD	trans-1,3-Dichloropropene	4.2	4.2 U	4.2 UJ	-	UG/KG	J
069SB-0048-0001-SO	N	Acetone	16.0	9.4 J	16.0 U	+	UG/KG	L
069SB-0048-0001-SO	N	Methylene chloride	6.8	6.8 B	6.8 U	+	UG/KG	L
069SB-0048-0001-SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0049-0001-SO	N	Methylene chloride	3.8	2.3 J B	3.8 U	+	UG/KG	L
069SB-0049-0001-SO	N	trans-1,3-Dichloropropene	3.8	3.8 U	3.8 UJ	-	UG/KG	J
069SB-0050-0001-SO	N	Acetone	24.0	24.0	24.0 U	+	UG/KG	L
069SB-0050-0001-SO	N	Methylene chloride	8.0	8.0 B	8.0 U	+	UG/KG	L
069SB-0050-0001-SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0051-0001-SO	N	Acetone	930	310 J	310 J	+	UG/KG	J/TR
069SB-0051-0001-SO	N	Bromomethane	230	230 U	230 UJ	-	UG/KG	C
069SB-0051-0001-SO	N	Carbon disulfide	230	230 U Q	230 UJ	-	UG/KG	C

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0051-0001-SO	N	Carbon tetrachloride	230	310	310 J		UG/KG	d
069SB-0051-0001-SO	N	Chloroform	230	33.0 J	33.0 J		UG/KG	TR/d
069SB-0051-0001-SO	N	Chloromethane	230	230 U	230 UJ	-	UG/KG	C
069SB-0051-0001-SO	N	Vinyl chloride	230	230 U	230 UJ	-	UG/KG	C
069SB-0052-0001-SO	FD	Acetone	35.0	35.0	35.0 U	+	UG/KG	L
069SB-0052-0001-SO	FD	Carbon tetrachloride	4.7	130	130 J		UG/KG	d
069SB-0052-0001-SO	FD	Chloroform	4.7	13.0	13.0 J	+	UG/KG	J/d
069SB-0052-0001-SO	FD	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0052-0001-SO	FD	Trichloroethene (TCE)	4.7	0.40 J	0.40 J		UG/KG	TR
069SB-0053-0001-SO	N	Acetone	890	320 J	320 J	+	UG/KG	J
069SB-0053-0001-SO	N	Bromomethane	220	220 U	220 UJ	-	UG/KG	C
069SB-0053-0001-SO	N	Carbon disulfide	220	220 U Q	220 UJ	-	UG/KG	C
069SB-0053-0001-SO	N	Chloroform	220	61.0 J	61.0 J		UG/KG	TR
069SB-0053-0001-SO	N	Chloromethane	220	220 U	220 UJ	-	UG/KG	C
069SB-0053-0001-SO	N	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C
069SB-0054-0001-SO	N	1,1,1-Trichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,1,2,2-Tetrachloroethane	410	410 U Q	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,1,2-Trichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,1-Dichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,1-Dichloroethene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,2-Dibromoethane (EDB)	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,2-Dichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,2-Dichloroethene	820	820 U	820 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	1,2-Dichloropropane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	2-Butanone (MEK)	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	2-Hexanone	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	4-Methyl-2-pentanone (MIBK)	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Acetone	1600	1600 U	1600 UJ		UG/KG	I
069SB-0054-0001-SO	N	Benzene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Bromochloromethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Bromodichloromethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Bromoform	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Bromomethane	410	410 U	410 UJ	-	UG/KG	C/I
069SB-0054-0001-SO	N	Carbon disulfide	410	410 U Q	410 UJ	-	UG/KG	C
069SB-0054-0001-SO	N	Carbon tetrachloride	410	8200 D	8200 J	-	UG/KG	I
069SB-0054-0001-SO	N	Chlorobenzene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Chloroform	410	140 J D	140 J	-	UG/KG	I/TR
069SB-0054-0001-SO	N	Chloromethane	410	410 U	410 UJ	-	UG/KG	C/I
069SB-0054-0001-SO	N	cis-1,3-Dichloropropene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Dibromochloromethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Ethylbenzene	410	410 U	410 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0054-0001-SO	N	Methyl tert-butyl ether (MTBE)	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Methylene chloride	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Styrene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Tetrachloroethene (PCE)	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Toluene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	trans-1,3-Dichloropropene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	N	Trichloroethene (TCE)	410	25.0 J D	25.0 J	-	UG/KG	I/TR
069SB-0054-0001-SO	N	Vinyl chloride	410	410 U	410 UJ	-	UG/KG	C/I
069SB-0054-0001-SO	N	Xylenes, Total	820	820 U	820 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,1,1-Trichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,1,2,2-Tetrachloroethane	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,1,2-Trichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,1-Dichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,1-Dichloroethene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,2-Dibromoethane (EDB)	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,2-Dichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,2-Dichloroethene	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	1,2-Dichloropropane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	2-Butanone (MEK)	3100	3100 U	3100 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	2-Hexanone	3100	3100 U	3100 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	4-Methyl-2-pentanone (MIBK)	3100	3100 U	3100 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Acetone	3100	3100 U	3100 UJ		UG/KG	I
069SB-0055-0001-SO	N	Benzene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Bromochloromethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Bromodichloromethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Bromoform	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Bromomethane	780	780 U	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	N	Carbon disulfide	780	780 U Q	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	N	Carbon tetrachloride	780	13000 D	13000 J	-	UG/KG	I
069SB-0055-0001-SO	N	Chlorobenzene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Chloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Chloroform	780	180 J D	180 J	-	UG/KG	I/TR
069SB-0055-0001-SO	N	Chloromethane	780	780 U	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	N	cis-1,3-Dichloropropene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Dibromochloromethane	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Ethylbenzene	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Methyl tert-butyl ether (MTBE)	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Methylene chloride	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Styrene	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Tetrachloroethene (PCE)	780	780 U Q	780 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0055-0001-SO	N	Toluene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	trans-1,3-Dichloropropene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	N	Trichloroethene (TCE)	780	39.0 J D	39.0 J	-	UG/KG	I/TR
069SB-0055-0001-SO	N	Vinyl chloride	780	780 U	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	N	Xylenes, Total	1600	1600 U Q	1600 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,1,1-Trichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,1,2,2-Tetrachloroethane	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,1,2-Trichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,1-Dichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,1-Dichloroethene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,2-Dibromoethane (EDB)	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,2-Dichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,2-Dichloroethene	1400	1400 U	1400 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	1,2-Dichloropropane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	2-Butanone (MEK)	2800	2800 U	2800 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	2-Hexanone	2800	2800 U	2800 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	4-Methyl-2-pentanone (MIBK)	2800	2800 U	2800 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Acetone	2800	2800 U	2800 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Benzene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Bromochloromethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Bromodichloromethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Bromoform	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Bromomethane	690	690 U	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	N	Carbon disulfide	690	690 U Q	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	N	Carbon tetrachloride	690	12000 D	12000 J	-	UG/KG	I
069SB-0056-0001-SO	N	Chlorobenzene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Chloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Chloroform	690	240 J D	240 J	-	UG/KG	I/TR
069SB-0056-0001-SO	N	Chloromethane	690	690 U	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	N	cis-1,3-Dichloropropene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Dibromochloromethane	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Ethylbenzene	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Methyl tert-butyl ether (MTBE)	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Methylene chloride	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Styrene	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Tetrachloroethene (PCE)	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Toluene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	trans-1,3-Dichloropropene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Trichloroethene (TCE)	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	N	Vinyl chloride	690	690 U	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	N	Xylenes, Total	1400	1400 U Q	1400 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0057-0001-SO	N	trans-1,3-Dichloropropene	5.1	5.1 U	5.1 UJ	-	UG/KG	J
069SB-0058-0001-SO	N	Acetone	15.0	8.0 J	15.0 U	+	UG/KG	L
069SB-0058-0001-SO	N	Methylene chloride	12.0	12.0 B	12.0 U	+	UG/KG	L
069SB-0058-0001-SO	N	trans-1,3-Dichloropropene	4.2	4.2 U	4.2 UJ	-	UG/KG	J
069SB-0059-0001-SO	N	trans-1,3-Dichloropropene	5.1	5.1 U	5.1 UJ	-	UG/KG	J
069SB-0060-0001-SO	N	Carbon tetrachloride	4.4	1.4 J	1.4 J		UG/KG	TR
069SB-0060-0001-SO	N	trans-1,3-Dichloropropene	4.4	4.4 U	4.4 UJ	-	UG/KG	J
069SB-0061-0001-SO	N	1,1,1-Trichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,1,2,2-Tetrachloroethane	270	270 U Q	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,1,2-Trichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,1-Dichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,1-Dichloroethene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,2-Dibromoethane (EDB)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,2-Dichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,2-Dichloroethene	540	540 U	540 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	1,2-Dichloropropane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	2-Butanone (MEK)	1100	1100 U	1100 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	2-Hexanone	1100	1100 U	1100 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	4-Methyl-2-pentanone (MIBK)	1100	1100 U	1100 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Acetone	1100	1100 U	1100 UJ		UG/KG	I
069SB-0061-0001-SO	N	Benzene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Bromochloromethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Bromodichloromethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Bromoform	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Bromomethane	270	270 U	270 UJ	-	UG/KG	C/I
069SB-0061-0001-SO	N	Carbon disulfide	270	270 U Q	270 UJ	-	UG/KG	C
069SB-0061-0001-SO	N	Carbon tetrachloride	270	700	700 J	-	UG/KG	I
069SB-0061-0001-SO	N	Chlorobenzene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Chloroform	270	29.0 J	29.0 J	-	UG/KG	I/TR
069SB-0061-0001-SO	N	Chloromethane	270	270 U	270 UJ	-	UG/KG	C/I
069SB-0061-0001-SO	N	cis-1,3-Dichloropropene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Dibromochloromethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Ethylbenzene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Methyl tert-butyl ether (MTBE)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Methylene chloride	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Styrene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Tetrachloroethene (PCE)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Toluene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	trans-1,3-Dichloropropene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Trichloroethene (TCE)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	N	Vinyl chloride	270	270 U	270 UJ	-	UG/KG	C/I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0061-0001-SO	N	Xylenes, Total	540	540 U	540 UJ	-	UG/KG	I
069SB-0062-0001-SO	N	1,1,2,2-Tetrachloroethane	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	1,1,2-Trichloroethane	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	1,2-Dibromoethane (EDB)	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	2-Hexanone	19.0	19.0 U	19.0 UJ		UG/KG	S
069SB-0062-0001-SO	N	4-Methyl-2-pentanone (MIBK)	19.0	19.0 U	19.0 UJ		UG/KG	S
069SB-0062-0001-SO	N	Bromoform	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	Chlorobenzene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	Chloroform	4.7	3.6 J	3.6 J	+	UG/KG	TR/J
069SB-0062-0001-SO	N	Dibromochloromethane	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	Ethylbenzene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	Styrene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	Tetrachloroethene (PCE)	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	Toluene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	N	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J/S
069SB-0062-0001-SO	N	Xylenes, Total	9.4	9.4 U	9.4 UJ		UG/KG	S

Reason Code Definitions

Code	Definition
C	LCS Recovery
d	Field Duplicate RPD
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
L	Lab Blank
M	MS Recovery
S	Internal standard
TR	Trace Level Detect

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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Batch Report

Test Method: SW8260B Analysis Batch: 175731

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	LCS 240-175731/4		1/1	4/9/2015 11:20	4/9/2015 11:20	4/9/2015 11:20	175731/	BS
LABQC	WQ	LABQC	MB 240-175731/6		1/1	4/9/2015 12:06	4/9/2015 12:06	4/9/2015 12:06	175731/	LB
69-1048-SB101	WG	069SB-0063-0001-TB	240-49085-35		1/1	4/7/2015 08:00	4/9/2015 14:00	4/9/2015 14:00	175731/	N
69-1048-SB102	WG	069SB-0064-0001-TB	240-49085-36		1/1	4/7/2015 08:00	4/9/2015 14:23	4/9/2015 14:23	175731/	N
69-1048-SB103	WG	069SB-0065-0001-TB	240-49085-37		1/1	4/7/2015 08:00	4/9/2015 14:45	4/9/2015 14:45	175731/	N
69-1048-SB105	WG	069SB-0066-0001-TB	240-49085-38		1/1	4/7/2015 08:00	4/9/2015 15:08	4/9/2015 15:08	175731/	N

Test Method: SW8260B Analysis Batch: 175786

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	LCS 240-175665/2-A		1/1	4/8/2015 21:24	4/8/2015 21:24	4/9/2015 17:35	175665/	BS
LABQC	SQ	LABQC	MB 240-175665/1-A		1/1	4/8/2015 21:24	4/8/2015 21:24	4/9/2015 17:57	175665/	LB
69-1048-SB101	SO	069SB-0029-0001-SO	240-49085-1		1/1	4/7/2015 08:50	4/8/2015 21:24	4/9/2015 18:18	175665/	N
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		1/1	4/7/2015 08:50	4/8/2015 21:24	4/9/2015 18:18	175665/	MS
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		1/1	4/7/2015 08:50	4/8/2015 21:24	4/9/2015 18:40	175665/	MS
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		1/1	4/7/2015 08:50	4/8/2015 21:24	4/9/2015 18:40	175665/	SD
69-1048-SB101	SO	069SB-0029-0001-SO	240-49085-1		1/1	4/7/2015 08:50	4/8/2015 21:24	4/9/2015 19:01	175665/	N
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		1/1	4/7/2015 08:50	4/8/2015 21:24	4/9/2015 19:01	175665/	MS
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		1/1	4/7/2015 08:50	4/8/2015 21:24	4/9/2015 19:01	175665/	SD
69-1048-SB101	SO	069SB-0030-0001-SO	240-49085-2		1/1	4/7/2015 08:55	4/8/2015 21:24	4/9/2015 19:22	175665/	N
69-1048-SB101	SO	069SB-0031-0001-SO	240-49085-3		1/1	4/7/2015 09:00	4/8/2015 21:24	4/9/2015 19:44	175665/	N
69-1048-SB101	SO	069SB-0032-0001-SO	240-49085-4		1/1	4/7/2015 00:00	4/8/2015 21:24	4/9/2015 20:05	175665/	FD
69-1048-SB101	SO	069SB-0033-0001-SO	240-49085-5		1/1	4/7/2015 09:05	4/8/2015 21:24	4/9/2015 20:27	175665/	N
69-1048-SB101	SO	069SB-0034-0001-SO	240-49085-6		1/1	4/7/2015 09:10	4/8/2015 21:24	4/9/2015 20:48	175665/	N
69-1048-SB101	SO	069SB-0035-0001-SO	240-49085-7		1/1	4/7/2015 09:15	4/8/2015 21:24	4/9/2015 21:09	175665/	N

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Batch Report

Test Method: SW8260B		Analysis Batch: 175786								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/1	4/7/2015 09:20	4/8/2015 21:24	4/9/2015 21:31	175665/	N
69-1048-SB102	SO	069SB-0042-0001-SO	240-49085-14		1/1	4/7/2015 10:00	4/8/2015 22:29	4/9/2015 21:52	175665/	N

Test Method: SW8260B		Analysis Batch: 175977								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	LCS 240-175977/7		1/1	4/10/2015 14:56		4/10/2015 14:56	/	BS
LABQC	SQ	LABQC	MB 240-175977/10		1/1	4/10/2015 16:00		4/10/2015 16:00	/	LB
LABQC	SQ	LABQC	LCS 240-175761/2-A		1/1	4/9/2015 10:53	4/9/2015 10:53	4/10/2015 17:48	175761/	BS
LABQC	SQ	LABQC	MB 240-175761/1-A		1/1	4/9/2015 10:53	4/9/2015 10:53	4/10/2015 18:09	175761/	LB
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/1	4/7/2015 10:05	4/9/2015 10:53	4/10/2015 18:30	175761/	N
69-1048-SB104	SO	069SB-0051-0001-SO	240-49085-23		1/1	4/7/2015 09:47	4/9/2015 10:53	4/10/2015 18:52	175761/	N
69-1048-SB104	SO	069SB-0053-0001-SO	240-49085-25		1/1	4/7/2015 09:53	4/9/2015 10:53	4/10/2015 19:13	175761/	N
69-1048-SB104	SO	069SB-0054-0001-SO	240-49085-26		1/2	4/7/2015 09:57	4/9/2015 10:53	4/10/2015 19:35	175761/	N
69-1048-SB104	SO	069SB-0055-0001-SO	240-49085-27		1/3.333	4/7/2015 10:03	4/9/2015 10:53	4/10/2015 19:56	175761/	N
69-1048-SB104	SO	069SB-0056-0001-SO	240-49085-28		1/3.333	4/7/2015 10:06	4/9/2015 10:53	4/10/2015 20:18	175761/	N
69-1048-SB105	SO	069SB-0061-0001-SO	240-49085-33		1/1	4/7/2015 11:01	4/9/2015 10:53	4/10/2015 20:39	175761/	N
69-1048-SB102	SO	069SB-0037-0001-SO	240-49085-9		1/1	4/7/2015 09:44	4/8/2015 17:00	4/10/2015 21:22	175865/	N
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		1/1	4/7/2015 09:44	4/8/2015 17:00	4/10/2015 21:22	175865/	SD
69-1048-SB102	SO	069SB-0037-0001-SO	240-49085-9		1/1	4/7/2015 09:44	4/8/2015 17:00	4/10/2015 21:43	175865/	N
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		1/1	4/7/2015 09:44	4/8/2015 17:00	4/10/2015 21:43	175865/	MS
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		1/1	4/7/2015 09:44	4/8/2015 17:00	4/10/2015 21:43	175865/	SD
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		1/1	4/7/2015 09:44	4/8/2015 17:00	4/10/2015 22:05	175865/	MS
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		1/1	4/7/2015 09:44	4/8/2015 17:00	4/10/2015 22:05	175865/	SD
69-1048-SB102	SO	069SB-0038-0001-SO	240-49085-10		1/1	4/7/2015 09:45	4/8/2015 17:00	4/10/2015 22:26	175865/	N
69-1048-SB102	SO	069SB-0039-0001-SO	240-49085-11		1/1	4/7/2015 09:50	4/8/2015 17:00	4/10/2015 22:48	175865/	N

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Batch Report

Test Method: SW8260B		Analysis Batch: 175977								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB102	SO	069SB-0040-0001-SO	240-49085-12		1/1	4/7/2015 00:00	4/8/2015 17:00	4/10/2015 23:09	175865/	FD
69-1048-SB102	SO	069SB-0041-0001-SO	240-49085-13		1/1	4/7/2015 09:55	4/8/2015 17:00	4/10/2015 23:31	175865/	N
69-1048-SB103	SO	069SB-0044-0001-SO	240-49085-16		1/1	4/7/2015 09:25	4/8/2015 17:00	4/10/2015 23:52	175865/	N

Test Method: SW8260B		Analysis Batch: 176026								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	LCS 240-176026/6		1/1	4/11/2015 01:58		4/11/2015 01:58	/	BS
LABQC	SQ	LABQC	MB 240-175665/1-A		2/1	4/8/2015 21:24	4/8/2015 21:24	4/11/2015 10:33	175665/	LB
LABQC	SQ	LABQC	LCS 240-175665/2-A		2/1	4/8/2015 21:24	4/8/2015 21:24	4/11/2015 10:55	175665/	BS
69-1048-SB101	SO	069SB-0029-0001-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:16	175665/	N
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:16	175665/	MS
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:16	175665/	SD
69-1048-SB101	SO	069SB-0029-0001-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:37	175665/	N
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:37	175665/	MS
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:37	175665/	SD
69-1048-SB101	SO	069SB-0029-0001-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:59	175665/	N
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:59	175665/	MS
69-1048-SB101	SO	069SB-0029-0002-SO	240-49085-1		2/1	4/7/2015 08:50	4/8/2015 21:24	4/11/2015 11:59	175665/	SD
LABQC	SQ	LABQC	MB 240-175865/2-A		1/1	4/10/2015 05:23	4/10/2015 05:23	4/11/2015 03:04	175865/	LB
69-1048-SB102	SO	069SB-0037-0001-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 03:47	175865/	N
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 03:47	175865/	MS
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 03:47	175865/	SD
69-1048-SB102	SO	069SB-0037-0001-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 04:09	175865/	N
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 04:09	175865/	MS
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 04:09	175865/	SD

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Batch Report

Test Method: SW8260B		Analysis Batch: 176026								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB102	SO	069SB-0037-0001-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 04:30	175865/	N
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 04:30	175865/	MS
69-1048-SB102	SO	069SB-0037-0002-SO	240-49085-9		2/1	4/7/2015 09:44	4/8/2015 17:00	4/11/2015 04:30	175865/	SD
69-1048-SB102	SO	069SB-0038-0001-SO	240-49085-10		2/1	4/7/2015 09:45	4/8/2015 17:00	4/11/2015 04:51	175865/	N
69-1048-SB102	SO	069SB-0039-0001-SO	240-49085-11		2/1	4/7/2015 09:50	4/8/2015 17:00	4/11/2015 05:13	175865/	N
69-1048-SB102	SO	069SB-0040-0001-SO	240-49085-12		2/1	4/7/2015 00:00	4/8/2015 17:00	4/11/2015 05:34	175865/	FD
69-1048-SB102	SO	069SB-0041-0001-SO	240-49085-13		2/1	4/7/2015 09:55	4/8/2015 17:00	4/11/2015 05:55	175865/	N
69-1048-SB103	SO	069SB-0044-0001-SO	240-49085-16		2/1	4/7/2015 09:25	4/8/2015 17:00	4/11/2015 06:17	175865/	N
69-1048-SB103	SO	069SB-0046-0001-SO	240-49085-18		1/1	4/7/2015 09:30	4/8/2015 17:00	4/11/2015 06:38	175865/	N
69-1048-SB103	SO	069SB-0047-0001-SO	240-49085-19		1/1	4/7/2015 00:00	4/8/2015 17:00	4/11/2015 06:59	175865/	FD
69-1048-SB103	SO	069SB-0048-0001-SO	240-49085-20		1/1	4/7/2015 09:35	4/8/2015 17:00	4/11/2015 07:21	175865/	N
69-1048-SB103	SO	069SB-0049-0001-SO	240-49085-21		1/1	4/7/2015 09:41	4/8/2015 17:00	4/11/2015 07:42	175865/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/1	4/7/2015 09:43	4/8/2015 17:00	4/11/2015 08:04	175865/	N
69-1048-SB104	SO	069SB-0052-0001-SO	240-49085-24		1/1	4/7/2015 00:00	4/8/2015 17:00	4/11/2015 08:25	175865/	FD
69-1048-SB105	SO	069SB-0057-0001-SO	240-49085-29		1/1	4/7/2015 10:29	4/8/2015 17:00	4/11/2015 08:46	175865/	N
69-1048-SB105	SO	069SB-0058-0001-SO	240-49085-30		1/1	4/7/2015 10:38	4/8/2015 17:00	4/11/2015 09:08	175865/	N
69-1048-SB105	SO	069SB-0059-0001-SO	240-49085-31		1/1	4/7/2015 10:54	4/8/2015 17:00	4/11/2015 09:29	175865/	N
69-1048-SB105	SO	069SB-0060-0001-SO	240-49085-32		1/1	4/7/2015 10:57	4/8/2015 17:00	4/11/2015 09:51	175865/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/1	4/7/2015 11:05	4/8/2015 17:00	4/11/2015 10:12	175865/	N

Test Method: SW8260B Analysis Batch: 176276

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB101	SO	069SB-0030-0001-SO	240-49085-2		2/1	4/7/2015 08:55	4/8/2015 21:24	4/14/2015 04:42	175665/	N
69-1048-SB101	SO	069SB-0031-0001-SO	240-49085-3		2/1	4/7/2015 09:00	4/8/2015 21:24	4/14/2015 05:03	175665/	N
69-1048-SB101	SO	069SB-0032-0001-SO	240-49085-4		2/1	4/7/2015 00:00	4/8/2015 21:24	4/14/2015 05:25	175665/	FD

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: SW8260B		Analysis Batch: 176276								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB101	SO	069SB-0033-0001-SO	240-49085-5		2/1	4/7/2015 09:05	4/8/2015 21:24	4/14/2015 05:46	175665/	N
69-1048-SB101	SO	069SB-0034-0001-SO	240-49085-6		2/1	4/7/2015 09:10	4/8/2015 21:24	4/14/2015 06:07	175665/	N
69-1048-SB101	SO	069SB-0035-0001-SO	240-49085-7		2/1	4/7/2015 09:15	4/8/2015 21:24	4/14/2015 06:28	175665/	N
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		2/1	4/7/2015 09:20	4/8/2015 21:24	4/14/2015 06:50	175665/	N
69-1048-SB102	SO	069SB-0042-0001-SO	240-49085-14		2/1	4/7/2015 10:00	4/8/2015 22:29	4/14/2015 07:11	175665/	N
LABQC	SQ	LABQC	MB 240-175761/1-A		2/1	4/9/2015 10:53	4/9/2015 10:53	4/14/2015 07:32	175761/	LB
LABQC	SQ	LABQC	LCS 240-175761/2-A		2/1	4/9/2015 10:53	4/9/2015 10:53	4/14/2015 07:53	175761/	BS
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		2/1	4/7/2015 10:05	4/9/2015 10:53	4/14/2015 08:15	175761/	N
69-1048-SB104	SO	069SB-0051-0001-SO	240-49085-23		2/1	4/7/2015 09:47	4/9/2015 10:53	4/14/2015 08:36	175761/	N
69-1048-SB104	SO	069SB-0053-0001-SO	240-49085-25		2/1	4/7/2015 09:53	4/9/2015 10:53	4/14/2015 08:57	175761/	N
69-1048-SB104	SO	069SB-0054-0001-SO	240-49085-26		2/2	4/7/2015 09:57	4/9/2015 10:53	4/14/2015 09:18	175761/	N
69-1048-SB104	SO	069SB-0055-0001-SO	240-49085-27		2/3.333	4/7/2015 10:03	4/9/2015 10:53	4/14/2015 09:40	175761/	N
69-1048-SB104	SO	069SB-0056-0001-SO	240-49085-28		2/3.333	4/7/2015 10:06	4/9/2015 10:53	4/14/2015 10:01	175761/	N
69-1048-SB105	SO	069SB-0061-0001-SO	240-49085-33		2/1	4/7/2015 11:01	4/9/2015 10:53	4/14/2015 10:22	175761/	N

Test Method: SW8260B		Analysis Batch: 176387								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	LCS 240-176387/5		1/1	4/14/2015 13:41		4/14/2015 13:41	/	BS
LABQC	SQ	LABQC	MB 240-176387/33		1/1	4/14/2015 15:28		4/14/2015 15:28	/	LB
69-1048-SB103	SO	069SB-0046-0001-SO	240-49085-18		2/1	4/7/2015 09:30	4/8/2015 17:00	4/14/2015 15:50	175865/	N
69-1048-SB103	SO	069SB-0047-0001-SO	240-49085-19		2/1	4/7/2015 00:00	4/8/2015 17:00	4/14/2015 16:12	175865/	FD
69-1048-SB103	SO	069SB-0048-0001-SO	240-49085-20		2/1	4/7/2015 09:35	4/8/2015 17:00	4/14/2015 16:33	175865/	N
69-1048-SB103	SO	069SB-0049-0001-SO	240-49085-21		2/1	4/7/2015 09:41	4/8/2015 17:00	4/14/2015 16:55	175865/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		2/1	4/7/2015 09:43	4/8/2015 17:00	4/14/2015 17:16	175865/	N
69-1048-SB104	SO	069SB-0052-0001-SO	240-49085-24		2/1	4/7/2015 00:00	4/8/2015 17:00	4/14/2015 17:38	175865/	FD

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: SW8260B		Analysis Batch: 176387								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB105	SO	069SB-0057-0001-SO	240-49085-29		2/1	4/7/2015 10:29	4/8/2015 17:00	4/14/2015 17:59	175865/	N
69-1048-SB105	SO	069SB-0058-0001-SO	240-49085-30		2/1	4/7/2015 10:38	4/8/2015 17:00	4/14/2015 18:20	175865/	N
69-1048-SB105	SO	069SB-0059-0001-SO	240-49085-31		2/1	4/7/2015 10:54	4/8/2015 17:00	4/14/2015 18:42	175865/	N
69-1048-SB105	SO	069SB-0060-0001-SO	240-49085-32		2/1	4/7/2015 10:57	4/8/2015 17:00	4/14/2015 19:03	175865/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		2/1	4/7/2015 11:05	4/8/2015 17:00	4/14/2015 19:25	175865/	N
69-1048-SB103	SO	069SB-0045-0001-SO	240-49085-17		1/1	4/7/2015 09:28	4/8/2015 17:00	4/14/2015 19:46	175865/	N

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Field Batch Report

--No Records Found--

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

QC Outlier Report

Test Method: SW8260B Extraction Method: SW5030B Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	MB 240-175731/6 (LB) / MB 240-175731/6	1 / 1.00	Acetone	1.64 (UG/L)	U/None	< 0.94	< 10	L		2	3.28

Test Method: SW8260B Extraction Method: SW5035 Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	MB 240-175977/10 (LB) / MB 240-175977/10	1 / 1.00	Acetone	6.88 (UG/KG)	U/None	< 3.4	< 20	L		2	13.8
Blank	MB 240-176387/33 (LB) / MB 240-176387/33	1 / 1.00	Methylene chloride	2.50 (UG/KG)	U/None	< 0.67	< 5	L		2	5.00
Blank	MB 240-176387/33 (LB) / MB 240-176387/33	1 / 1.00	Acetone	8.91 (UG/KG)	U/None	< 6.3	< 20	L		2	17.8
LCS Recovery	LCS 240-175665/2-A (BS) / LCS 240-175665/2-A	2 / 1.00	Carbon disulfide	43.7 (Percent)	J/UJ	45 - 160	20 - 160	C			
LCS Recovery	LCS 240-175665/2-A (BS) / LCS 240-175665/2-A	2 / 1.00	Vinyl chloride	56.9 (Percent)	J/UJ	60 - 125	20 - 125	C			
LCS Recovery	LCS 240-175761/2-A (BS) / LCS 240-175761/2-A	2 / 1.00	Bromomethane	29.2 (Percent)	J/UJ	30 - 160	20 - 160	C			
LCS Recovery	LCS 240-175761/2-A (BS) / LCS 240-175761/2-A	2 / 1.00	Carbon disulfide	41.0 (Percent)	J/UJ	45 - 160	20 - 160	C			
LCS Recovery	LCS 240-175761/2-A (BS) / LCS 240-175761/2-A	2 / 1.00	Chloromethane	47.6 (Percent)	J/UJ	50 - 130	20 - 130	C			
LCS Recovery	LCS 240-175761/2-A (BS) / LCS 240-175761/2-A	2 / 1.00	Vinyl chloride	52.5 (Percent)	J/UJ	60 - 125	20 - 125	C			
MS Recovery	069SB-0029-0002-SO (SD) / 240-49085-1	1 / 1.00	Vinyl chloride	59.7 (Percent)	J/UJ	60 - 125	60 - 125	M			
MS Recovery	069SB-0029-0002-SO (MS) / 240-49085-1	2 / 1.00	Carbon disulfide	41.5 (Percent)	J/UJ	45 - 160	45 - 160	M			
MS Recovery	069SB-0029-0002-SO (SD) / 240-49085-1	2 / 1.00	Carbon disulfide	42.1 (Percent)	J/UJ	45 - 160	45 - 160	M			
Surrogate	069SB-0029-0001-SO (N) / 240-49085-1	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	81.1 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0031-0001-SO (N) / 240-49085-3	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	81.4 (Percent)	J/UJ	85 - 120	10 - 120	I			

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

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QC Outlier Report

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Surrogate	069SB-0033-0001-SO (N) / 240-49085-5	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	80.5 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0033-0001-SO (N) / 240-49085-5	2 / 1.00	Toluene-d8	84.7 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0034-0001-SO (N) / 240-49085-6	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	84.9 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0035-0001-SO (N) / 240-49085-7	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	70.8 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0035-0001-SO (N) / 240-49085-7	1 / 1.00	Toluene-d8	83.3 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0035-0001-SO (N) / 240-49085-7	2 / 1.00	Dibromofluoromethane	54.2 (Percent)	J/UJ	59 - 138	10 - 115	I			
Surrogate	069SB-0035-0001-SO (N) / 240-49085-7	2 / 1.00	1,2-Dichloroethane-d4	58.3 (Percent)	J/UJ	61 - 130	10 - 130	I			
Surrogate	069SB-0035-0001-SO (N) / 240-49085-7	2 / 1.00	Toluene-d8	62.5 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0035-0001-SO (N) / 240-49085-7	2 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	83.3 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0036-0001-SO (N) / 240-49085-8	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	84.3 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0037-0001-SO (N) / 240-49085-9	1 / 1.00	1,2-Dichloroethane-d4	131 (Percent)	J/None	61 - 130	10 - 130	I			
Surrogate	069SB-0037-0001-SO (N) / 240-49085-9	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	66.3 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0037-0001-SO (N) / 240-49085-9	2 / 1.00	Toluene-d8	115 (Percent)	J/None	85 - 115	10 - 115	I			
Surrogate	069SB-0038-0001-SO (N) / 240-49085-10	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	52.2 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0038-0001-SO (N) / 240-49085-10	1 / 1.00	Toluene-d8	82.1 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0039-0001-SO (N) / 240-49085-11	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	56.9 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0039-0001-SO (N) / 240-49085-11	1 / 1.00	Toluene-d8	77.8 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0040-0001-SO (FD) / 240-49085-12	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	63.0 (Percent)	J/UJ	85 - 120	10 - 120	I			

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

QC Outlier Report

QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Surrogate	069SB-0040-0001-SO (FD) / 240-49085-12	2 / 1.00	Toluene-d8	115 (Percent)	J/None	85 - 115	10 - 115	I			
Surrogate	069SB-0041-0001-SO (N) / 240-49085-13	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	41.7 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0041-0001-SO (N) / 240-49085-13	1 / 1.00	Toluene-d8	68.6 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0042-0001-SO (N) / 240-49085-14	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	81.2 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0044-0001-SO (N) / 240-49085-16	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	68.8 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0050-0001-SO (N) / 240-49085-22	1 / 1.00	Toluene-d8	117 (Percent)	J/None	85 - 115	10 - 115	I			
Surrogate	069SB-0053-0001-SO (N) / 240-49085-25	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	84.8 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0054-0001-SO (N) / 240-49085-26	1 / 2.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	78.0 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0055-0001-SO (N) / 240-49085-27	1 / 3.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	68.7 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0055-0001-SO (N) / 240-49085-27	1 / 3.00	Toluene-d8	73.0 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0055-0001-SO (N) / 240-49085-27	2 / 3.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	60.1 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0055-0001-SO (N) / 240-49085-27	2 / 3.00	Toluene-d8	73.0 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0056-0001-SO (N) / 240-49085-28	1 / 3.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	62.5 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0056-0001-SO (N) / 240-49085-28	1 / 3.00	Toluene-d8	81.7 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0056-0001-SO (N) / 240-49085-28	2 / 3.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	67.3 (Percent)	J/UJ	85 - 120	10 - 120	I			
Surrogate	069SB-0056-0001-SO (N) / 240-49085-28	2 / 3.00	Toluene-d8	76.9 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0061-0001-SO (N) / 240-49085-33	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	78.4 (Percent)	J/UJ	85 - 120	10 - 120	I			

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Ravenna Army Ammunition Plant

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QC Outlier Report

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8260B	Extraction Method: SW5030B	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0063-0001-TB	240-49085-35	WG	N	Acetone	10.0	1.8 J	10.0 U	+	UG/L	L
069SB-0063-0001-TB	240-49085-35	WG	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	240-49085-35	WG	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	240-49085-35	WG	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	240-49085-35	WG	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0063-0001-TB	240-49085-35	WG	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	240-49085-36	WG	N	Acetone	10.0	1.7 J	10.0 U	+	UG/L	L
069SB-0064-0001-TB	240-49085-36	WG	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	240-49085-36	WG	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	240-49085-36	WG	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	240-49085-36	WG	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0064-0001-TB	240-49085-36	WG	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	240-49085-37	WG	N	Acetone	10.0	1.8 J	10.0 U	+	UG/L	L
069SB-0065-0001-TB	240-49085-37	WG	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	240-49085-37	WG	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	240-49085-37	WG	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	240-49085-37	WG	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0065-0001-TB	240-49085-37	WG	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	240-49085-38	WG	N	Acetone	10.0	1.7 J	10.0 U	+	UG/L	L
069SB-0066-0001-TB	240-49085-38	WG	N	Bromoform	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	240-49085-38	WG	N	cis-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	240-49085-38	WG	N	Dibromochloromethane	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	240-49085-38	WG	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0066-0001-TB	240-49085-38	WG	N	trans-1,3-Dichloropropene	1.0	1.0 U	1.0 UJ	-	UG/L	J

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0029-0001-SO	240-49085-1	SO	N	1,1,1-Trichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,1,2,2-Tetrachloroethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,1,2-Trichloroethane	220	220 U J	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,1-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,1-Dichloroethene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,2-Dibromoethane (EDB)	220	220 U J Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,2-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,2-Dichloroethene	440	440 U	440 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	1,2-Dichloropropane	220	220 U J	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	2-Butanone (MEK)	890	890 U	890 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	2-Hexanone	890	890 U	890 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	4-Methyl-2-pentanone (MIBK)	890	890 U	890 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Acetone	890	890 U	890 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Benzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Bromochloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Bromodichloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Bromoform	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Bromomethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Carbon disulfide	220	220 U J Q	220 UJ	-	UG/KG	C/M/I
069SB-0029-0001-SO	240-49085-1	SO	N	Carbon tetrachloride	220	370	370 J	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Chlorobenzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Chloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Chloroform	220	54.0 J	54.0 J	-	UG/KG	I/TR
069SB-0029-0001-SO	240-49085-1	SO	N	Chloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	cis-1,3-Dichloropropene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Dibromochloromethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Ethylbenzene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Methyl tert-butyl ether (MTBE)	220	220 U	220 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0029-0001-SO	240-49085-1	SO	N	Methylene chloride	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Styrene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Tetrachloroethene (PCE)	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Toluene	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	trans-1,3-Dichloropropene	220	220 U J	220 UJ	-	UG/KG	I/J
069SB-0029-0001-SO	240-49085-1	SO	N	Trichloroethene (TCE)	220	220 U	220 UJ	-	UG/KG	I
069SB-0029-0001-SO	240-49085-1	SO	N	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C/I
069SB-0029-0001-SO	240-49085-1	SO	N	Xylenes, Total	440	440 U Q	440 UJ	-	UG/KG	I
069SB-0030-0001-SO	240-49085-2	SO	N	Carbon disulfide	210	210 U Q	210 UJ	-	UG/KG	C
069SB-0030-0001-SO	240-49085-2	SO	N	Chloroform	210	69.0 J	69.0 J		UG/KG	TR
069SB-0030-0001-SO	240-49085-2	SO	N	Styrene	210	8.2 J Q	8.2 J		UG/KG	TR
069SB-0030-0001-SO	240-49085-2	SO	N	Vinyl chloride	210	210 U	210 UJ	-	UG/KG	C
069SB-0031-0001-SO	240-49085-3	SO	N	1,1,1-Trichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,1,2,2-Tetrachloroethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,1,2-Trichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,1-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,1-Dichloroethene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,2-Dibromoethane (EDB)	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,2-Dichloroethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,2-Dichloroethene	440	440 U	440 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	1,2-Dichloropropane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	2-Butanone (MEK)	880	880 U	880 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	2-Hexanone	880	880 U	880 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	4-Methyl-2-pentanone (MIBK)	880	880 U	880 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Acetone	880	310 J	310 J		UG/KG	I/TR/J
069SB-0031-0001-SO	240-49085-3	SO	N	Benzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Bromochloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Bromodichloromethane	220	220 U	220 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0031-0001-SO	240-49085-3	SO	N	Bromoform	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Bromomethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Carbon disulfide	220	220 U Q	220 UJ	-	UG/KG	C
069SB-0031-0001-SO	240-49085-3	SO	N	Carbon tetrachloride	220	4300	4300 J	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Chlorobenzene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Chloroform	220	190 J	190 J	-	UG/KG	I/TR
069SB-0031-0001-SO	240-49085-3	SO	N	Chloromethane	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	cis-1,3-Dichloropropene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Dibromochloromethane	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Ethylbenzene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Methyl tert-butyl ether (MTBE)	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Methylene chloride	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Styrene	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Tetrachloroethene (PCE)	220	220 U Q	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Toluene	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	trans-1,3-Dichloropropene	220	220 U	220 U	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Trichloroethene (TCE)	220	220 U	220 UJ	-	UG/KG	I
069SB-0031-0001-SO	240-49085-3	SO	N	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C/I
069SB-0031-0001-SO	240-49085-3	SO	N	Xylenes, Total	440	440 U Q	440 UJ	-	UG/KG	I
069SB-0032-0001-SO	240-49085-4	SO	FD	Acetone	890	260 J	260 J	+	UG/KG	TR/J
069SB-0032-0001-SO	240-49085-4	SO	FD	Carbon disulfide	220	220 U Q	220 UJ	-	UG/KG	C
069SB-0032-0001-SO	240-49085-4	SO	FD	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C
069SB-0033-0001-SO	240-49085-5	SO	N	1,1,1-Trichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	240-49085-5	SO	N	1,1,2,2-Tetrachloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	240-49085-5	SO	N	1,1,2-Trichloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	240-49085-5	SO	N	1,1-Dichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	240-49085-5	SO	N	1,1-Dichloroethene	240	240 U	240 UJ	-	UG/KG	I
069SB-0033-0001-SO	240-49085-5	SO	N	1,2-Dibromoethane (EDB)	240	240 U Q	240 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
069SB-0033-0001-SO	240-49085-5	SO	N	1,2-Dichloroethane	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	1,2-Dichloroethene	470	470 U	470 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	1,2-Dichloropropane	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	2-Butanone (MEK)	940	940 U	940 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	2-Hexanone	940	940 U	940 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	4-Methyl-2-pentanone (MIBK)	940	940 U Q	940 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Acetone	940	530 J	530 J		UG/KG	I/TR/J	
069SB-0033-0001-SO	240-49085-5	SO	N	Benzene	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Bromochloromethane	240	240 U	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Bromodichloromethane	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Bromoform	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Bromomethane	240	240 U	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Carbon disulfide	240	240 U Q	240 UJ	-	UG/KG	C	
069SB-0033-0001-SO	240-49085-5	SO	N	Carbon tetrachloride	240	8400 Q	8400 J	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Chlorobenzene	240	240 U	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Chloroform	240	150 J	150 J	-	UG/KG	I/TR	
069SB-0033-0001-SO	240-49085-5	SO	N	Chloromethane	240	240 U	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	cis-1,3-Dichloropropene	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Dibromochloromethane	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Ethylbenzene	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Methyl tert-butyl ether (MTBE)	240	240 U	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Methylene chloride	240	240 U	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Styrene	240	7.6 J Q	7.6 J	-	UG/KG	I/TR	
069SB-0033-0001-SO	240-49085-5	SO	N	Tetrachloroethene (PCE)	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Toluene	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	trans-1,3-Dichloropropene	240	240 U Q	240 UJ	-	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	Trichloroethene (TCE)	240	20.0 J Q	20.0 J	-	UG/KG	I/TR	
069SB-0033-0001-SO	240-49085-5	SO	N	Vinyl chloride	240	240 U	240 UJ	-	UG/KG	C/I	

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
069SB-0033-0001-SO	240-49085-5	SO	N	Xylenes, Total	470	470 U Q	470 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,1,1-Trichloroethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,1,2,2-Tetrachloroethane	210	210 U Q	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,1,2-Trichloroethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,1-Dichloroethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,1-Dichloroethene	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,2-Dibromoethane (EDB)	210	210 U Q	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,2-Dichloroethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,2-Dichloroethene	420	420 U	420 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1,2-Dichloropropane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	2-Butanone (MEK)	850	850 U	850 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	2-Hexanone	850	850 U	850 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	4-Methyl-2-pentanone (MIBK)	850	850 U	850 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Acetone	850	370 J	370 J		UG/KG	I/TR/J	
069SB-0034-0001-SO	240-49085-6	SO	N	Benzene	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Bromochloromethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Bromodichloromethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Bromoform	210	210 U Q	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Bromomethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Carbon disulfide	210	210 U Q	210 UJ	-	UG/KG	C	
069SB-0034-0001-SO	240-49085-6	SO	N	Carbon tetrachloride	210	7900	7900 J	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Chlorobenzene	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Chloroform	210	330	330 J	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Chloromethane	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	cis-1,3-Dichloropropene	210	210 U	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Dibromochloromethane	210	210 U Q	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Ethylbenzene	210	210 U Q	210 UJ	-	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	Methyl tert-butyl ether (MTBE)	210	210 U	210 UJ	-	UG/KG	I	

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B	Extraction Method: SW5035	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0034-0001-SO	240-49085-6	SO	N	Methylene chloride	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	240-49085-6	SO	N	Styrene	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	240-49085-6	SO	N	Tetrachloroethene (PCE)	210	210 U Q	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	240-49085-6	SO	N	Toluene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	240-49085-6	SO	N	trans-1,3-Dichloropropene	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	240-49085-6	SO	N	Trichloroethene (TCE)	210	210 U	210 UJ	-	UG/KG	I
069SB-0034-0001-SO	240-49085-6	SO	N	Vinyl chloride	210	210 U	210 UJ	-	UG/KG	C/I
069SB-0034-0001-SO	240-49085-6	SO	N	Xylenes, Total	420	420 U Q	420 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,1,1-Trichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,1,2,2-Tetrachloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,1,2-Trichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,1-Dichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,1-Dichloroethene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,2-Dibromoethane (EDB)	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,2-Dichloroethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,2-Dichloroethene	480	480 U	480 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	1,2-Dichloropropane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	2-Butanone (MEK)	960	960 U	960 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	2-Hexanone	960	960 U	960 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	4-Methyl-2-pentanone (MIBK)	960	960 U	960 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Acetone	960	340 J	340 J		UG/KG	I/TR/J
069SB-0035-0001-SO	240-49085-7	SO	N	Benzene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Bromochloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Bromodichloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Bromoform	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Bromomethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Carbon disulfide	240	240 U Q	240 UJ	-	UG/KG	C/I
069SB-0035-0001-SO	240-49085-7	SO	N	Carbon tetrachloride	240	3800	3800 J	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B	Extraction Method: SW5035	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0035-0001-SO	240-49085-7	SO	N	Chlorobenzene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Chloroethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Chloroform	240	870	870 J	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Chloromethane	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	cis-1,3-Dichloropropene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Dibromochloromethane	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Ethylbenzene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Methyl tert-butyl ether (MTBE)	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Methylene chloride	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Styrene	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Tetrachloroethene (PCE)	240	240 U Q	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Toluene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	trans-1,3-Dichloropropene	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Trichloroethene (TCE)	240	240 U	240 UJ	-	UG/KG	I
069SB-0035-0001-SO	240-49085-7	SO	N	Vinyl chloride	240	240 U	240 UJ	-	UG/KG	C/I
069SB-0035-0001-SO	240-49085-7	SO	N	Xylenes, Total	480	480 U Q	480 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,1,1-Trichloroethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,1,2,2-Tetrachloroethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,1,2-Trichloroethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,1-Dichloroethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,1-Dichloroethene	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,2-Dibromoethane (EDB)	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,2-Dichloroethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,2-Dichloroethene	500	500 U	500 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	1,2-Dichloropropane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	2-Butanone (MEK)	1000	1000 U	1000 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	2-Hexanone	1000	1000 U	1000 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	4-Methyl-2-pentanone (MIBK)	1000	1000 U Q	1000 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	240-49085-8	SO	N	Acetone	1000	410 J	410 J		UG/KG	I/TR/J
069SB-0036-0001-SO	240-49085-8	SO	N	Benzene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Bromochloromethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Bromodichloromethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Bromoform	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Bromomethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Carbon disulfide	250	250 U Q	250 UJ	-	UG/KG	C
069SB-0036-0001-SO	240-49085-8	SO	N	Carbon tetrachloride	250	5400 Q	5400 J	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Chlorobenzene	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Chloroform	250	540	540 J	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Chloromethane	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	cis-1,3-Dichloropropene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Dibromochloromethane	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Ethylbenzene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Methyl tert-butyl ether (MTBE)	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Methylene chloride	250	250 U	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Styrene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Tetrachloroethene (PCE)	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Toluene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	trans-1,3-Dichloropropene	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Trichloroethene (TCE)	250	250 U Q	250 UJ	-	UG/KG	I
069SB-0036-0001-SO	240-49085-8	SO	N	Vinyl chloride	250	250 U	250 UJ	-	UG/KG	C/I
069SB-0036-0001-SO	240-49085-8	SO	N	Xylenes, Total	500	500 U Q	500 UJ	-	UG/KG	I
069SB-0037-0001-SO	240-49085-9	SO	N	Acetone	20.0	20.0 U	20.0 UJ		UG/KG	I
069SB-0037-0001-SO	240-49085-9	SO	N	Carbon tetrachloride	4.3	0.63 J	0.63 J		UG/KG	TR
069SB-0037-0001-SO	240-49085-9	SO	N	Methylene chloride	5.0	5.0 U	5.0 UJ		UG/KG	I
069SB-0037-0001-SO	240-49085-9	SO	N	trans-1,3-Dichloropropene	4.3	4.3 U	4.3 UJ	-	UG/KG	J
069SB-0038-0001-SO	240-49085-10	SO	N	Acetone	16.0	38.0	38.0 J		UG/KG	I/J

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B	Extraction Method: SW5035	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0038-0001-SO	240-49085-10	SO	N	Methylene chloride	4.0	7.7	7.7 J	-	UG/KG	I
069SB-0038-0001-SO	240-49085-10	SO	N	trans-1,3-Dichloropropene	4.2	4.2 U	4.2 UJ	-	UG/KG	J
069SB-0039-0001-SO	240-49085-11	SO	N	Acetone	29.0	13.0 J	29.0 UJ		UG/KG	L/I
069SB-0039-0001-SO	240-49085-11	SO	N	Methylene chloride	7.2	7.2 U	7.2 UJ	-	UG/KG	I
069SB-0039-0001-SO	240-49085-11	SO	N	trans-1,3-Dichloropropene	5.9	5.9 U	5.9 UJ	-	UG/KG	J
069SB-0040-0001-SO	240-49085-12	SO	FD	Acetone	16.0	16.0 U	16.0 UJ		UG/KG	I
069SB-0040-0001-SO	240-49085-12	SO	FD	Methylene chloride	4.0	4.0 U	4.0 UJ	-	UG/KG	I
069SB-0040-0001-SO	240-49085-12	SO	FD	trans-1,3-Dichloropropene	3.9	3.9 U	3.9 UJ	-	UG/KG	J
069SB-0041-0001-SO	240-49085-13	SO	N	Acetone	17.0	17.0	17.0 UJ		UG/KG	L/I
069SB-0041-0001-SO	240-49085-13	SO	N	Methylene chloride	4.1	7.3	7.3 J	-	UG/KG	I
069SB-0041-0001-SO	240-49085-13	SO	N	trans-1,3-Dichloropropene	5.3	5.3 U	5.3 UJ	-	UG/KG	J
069SB-0042-0001-SO	240-49085-14	SO	N	1,1,1-Trichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,1,2,2-Tetrachloroethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,1,2-Trichloroethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,1-Dichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,1-Dichloroethene	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,2-Dibromoethane (EDB)	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,2-Dichloroethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,2-Dichloroethene	470	470 U	470 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1,2-Dichloropropane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	2-Butanone (MEK)	940	940 U	940 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	2-Hexanone	940	940 U	940 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	4-Methyl-2-pentanone (MIBK)	940	940 U Q	940 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	Acetone	940	300 J	300 J		UG/KG	I/TR/J
069SB-0042-0001-SO	240-49085-14	SO	N	Benzene	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	Bromochloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	Bromodichloromethane	230	230 U Q	230 UJ	-	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	Bromoform	230	230 U Q	230 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
069SB-0042-0001-SO	240-49085-14	SO	N	Bromomethane	230	230 U	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Carbon disulfide	230	230 U Q	230 UJ	-	UG/KG	C	
069SB-0042-0001-SO	240-49085-14	SO	N	Carbon tetrachloride	230	550 Q	550 J	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Chlorobenzene	230	230 U	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Chloroform	230	58.0 J	58.0 J	-	UG/KG	I/TR	
069SB-0042-0001-SO	240-49085-14	SO	N	Chloromethane	230	230 U	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	cis-1,3-Dichloropropene	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Dibromochloromethane	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Ethylbenzene	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Methyl tert-butyl ether (MTBE)	230	230 U	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Methylene chloride	230	230 U	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Styrene	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Tetrachloroethene (PCE)	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Toluene	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	trans-1,3-Dichloropropene	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Trichloroethene (TCE)	230	230 U Q	230 UJ	-	UG/KG	I	
069SB-0042-0001-SO	240-49085-14	SO	N	Vinyl chloride	230	230 U	230 UJ	-	UG/KG	C/I	
069SB-0042-0001-SO	240-49085-14	SO	N	Xylenes, Total	470	470 U Q	470 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	Acetone	830	240 J	240 J	+	UG/KG	J/TR	
069SB-0043-0001-SO	240-49085-15	SO	N	Bromomethane	210	210 U	210 UJ	-	UG/KG	C	
069SB-0043-0001-SO	240-49085-15	SO	N	Carbon disulfide	210	210 U Q	210 UJ	-	UG/KG	C	
069SB-0043-0001-SO	240-49085-15	SO	N	Chloroform	210	54.0 J	54.0 J		UG/KG	TR	
069SB-0043-0001-SO	240-49085-15	SO	N	Chloromethane	210	210 U	210 UJ	-	UG/KG	C	
069SB-0043-0001-SO	240-49085-15	SO	N	Vinyl chloride	210	210 U	210 UJ	-	UG/KG	C	
069SB-0044-0001-SO	240-49085-16	SO	N	1,1,2,2-Tetrachloroethane	4.1	4.1 U	4.1 UJ		UG/KG	S	
069SB-0044-0001-SO	240-49085-16	SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	I	
069SB-0044-0001-SO	240-49085-16	SO	N	Methylene chloride	4.4	3.4 J	3.4 J	-	UG/KG	I/TR	
069SB-0044-0001-SO	240-49085-16	SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J	

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0046-0001-SO	240-49085-18	SO	N	Acetone	17.0	14.0 J	17.0 U	+	UG/KG	L
069SB-0046-0001-SO	240-49085-18	SO	N	Methylene chloride	4.3	2.8 J B	4.3 U	+	UG/KG	L
069SB-0046-0001-SO	240-49085-18	SO	N	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0047-0001-SO	240-49085-19	SO	FD	Acetone	16.0	15.0 J	16.0 U	+	UG/KG	L
069SB-0047-0001-SO	240-49085-19	SO	FD	Methylene chloride	12.0	12.0 B	12.0 U	+	UG/KG	L
069SB-0047-0001-SO	240-49085-19	SO	FD	trans-1,3-Dichloropropene	4.2	4.2 U	4.2 UJ	-	UG/KG	J
069SB-0048-0001-SO	240-49085-20	SO	N	Acetone	16.0	9.4 J	16.0 U	+	UG/KG	L
069SB-0048-0001-SO	240-49085-20	SO	N	Methylene chloride	6.8	6.8 B	6.8 U	+	UG/KG	L
069SB-0048-0001-SO	240-49085-20	SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0049-0001-SO	240-49085-21	SO	N	Methylene chloride	3.8	2.3 J B	3.8 U	+	UG/KG	L
069SB-0049-0001-SO	240-49085-21	SO	N	trans-1,3-Dichloropropene	3.8	3.8 U	3.8 UJ	-	UG/KG	J
069SB-0050-0001-SO	240-49085-22	SO	N	Acetone	24.0	24.0	24.0 U	+	UG/KG	L
069SB-0050-0001-SO	240-49085-22	SO	N	Methylene chloride	8.0	8.0 B	8.0 U	+	UG/KG	L
069SB-0050-0001-SO	240-49085-22	SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0051-0001-SO	240-49085-23	SO	N	Acetone	930	310 J	310 J	+	UG/KG	J/TR
069SB-0051-0001-SO	240-49085-23	SO	N	Bromomethane	230	230 U	230 UJ	-	UG/KG	C
069SB-0051-0001-SO	240-49085-23	SO	N	Carbon disulfide	230	230 U Q	230 UJ	-	UG/KG	C
069SB-0051-0001-SO	240-49085-23	SO	N	Carbon tetrachloride	230	310	310 J		UG/KG	d
069SB-0051-0001-SO	240-49085-23	SO	N	Chloroform	230	33.0 J	33.0 J		UG/KG	TR/d
069SB-0051-0001-SO	240-49085-23	SO	N	Chloromethane	230	230 U	230 UJ	-	UG/KG	C
069SB-0051-0001-SO	240-49085-23	SO	N	Vinyl chloride	230	230 U	230 UJ	-	UG/KG	C
069SB-0052-0001-SO	240-49085-24	SO	FD	Acetone	35.0	35.0	35.0 U	+	UG/KG	L
069SB-0052-0001-SO	240-49085-24	SO	FD	Carbon tetrachloride	4.7	130	130 J		UG/KG	d
069SB-0052-0001-SO	240-49085-24	SO	FD	Chloroform	4.7	13.0	13.0 J	+	UG/KG	J/d
069SB-0052-0001-SO	240-49085-24	SO	FD	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0052-0001-SO	240-49085-24	SO	FD	Trichloroethene (TCE)	4.7	0.40 J	0.40 J		UG/KG	TR
069SB-0053-0001-SO	240-49085-25	SO	N	Acetone	890	320 J	320 J	+	UG/KG	J
069SB-0053-0001-SO	240-49085-25	SO	N	Bromomethane	220	220 U	220 UJ	-	UG/KG	C

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0053-0001-SO	240-49085-25	SO	N	Carbon disulfide	220	220 U Q	220 UJ	-	UG/KG	C
069SB-0053-0001-SO	240-49085-25	SO	N	Chloroform	220	61.0 J	61.0 J		UG/KG	TR
069SB-0053-0001-SO	240-49085-25	SO	N	Chloromethane	220	220 U	220 UJ	-	UG/KG	C
069SB-0053-0001-SO	240-49085-25	SO	N	Vinyl chloride	220	220 U	220 UJ	-	UG/KG	C
069SB-0054-0001-SO	240-49085-26	SO	N	1,1,1-Trichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,1,2,2-Tetrachloroethane	410	410 U Q	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,1,2-Trichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,1-Dichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,1-Dichloroethene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,2-Dibromoethane (EDB)	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,2-Dichloroethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,2-Dichloroethene	820	820 U	820 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	1,2-Dichloropropane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	2-Butanone (MEK)	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	2-Hexanone	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	4-Methyl-2-pentanone (MIBK)	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Acetone	1600	1600 U	1600 UJ		UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Benzene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Bromochloromethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Bromodichloromethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Bromoform	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Bromomethane	410	410 U	410 UJ	-	UG/KG	C/I
069SB-0054-0001-SO	240-49085-26	SO	N	Carbon disulfide	410	410 U Q	410 UJ	-	UG/KG	C
069SB-0054-0001-SO	240-49085-26	SO	N	Carbon tetrachloride	410	8200 D	8200 J	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Chlorobenzene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Chloroform	410	140 J D	140 J	-	UG/KG	I/TR
069SB-0054-0001-SO	240-49085-26	SO	N	Chloromethane	410	410 U	410 UJ	-	UG/KG	C/I
069SB-0054-0001-SO	240-49085-26	SO	N	cis-1,3-Dichloropropene	410	410 U	410 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0054-0001-SO	240-49085-26	SO	N	Dibromochloromethane	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Ethylbenzene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Methyl tert-butyl ether (MTBE)	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Methylene chloride	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Styrene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Tetrachloroethene (PCE)	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Toluene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	trans-1,3-Dichloropropene	410	410 U	410 UJ	-	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	Trichloroethene (TCE)	410	25.0 J D	25.0 J	-	UG/KG	I/TR
069SB-0054-0001-SO	240-49085-26	SO	N	Vinyl chloride	410	410 U	410 UJ	-	UG/KG	C/I
069SB-0054-0001-SO	240-49085-26	SO	N	Xylenes, Total	820	820 U	820 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,1,1-Trichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,1,2,2-Tetrachloroethane	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,1,2-Trichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,1-Dichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,1-Dichloroethene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,2-Dibromoethane (EDB)	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,2-Dichloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,2-Dichloroethene	1600	1600 U	1600 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	1,2-Dichloropropane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	2-Butanone (MEK)	3100	3100 U	3100 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	2-Hexanone	3100	3100 U	3100 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	4-Methyl-2-pentanone (MIBK)	3100	3100 U	3100 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Acetone	3100	3100 U	3100 UJ		UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Benzene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Bromochloromethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Bromodichloromethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Bromoform	780	780 U Q	780 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B	Extraction Method: SW5035	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0055-0001-SO	240-49085-27	SO	N	Bromomethane	780	780 U	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	240-49085-27	SO	N	Carbon disulfide	780	780 U Q	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	240-49085-27	SO	N	Carbon tetrachloride	780	13000 D	13000 J	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Chlorobenzene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Chloroethane	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Chloroform	780	180 J D	180 J	-	UG/KG	I/TR
069SB-0055-0001-SO	240-49085-27	SO	N	Chloromethane	780	780 U	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	240-49085-27	SO	N	cis-1,3-Dichloropropene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Dibromochloromethane	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Ethylbenzene	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Methyl tert-butyl ether (MTBE)	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Methylene chloride	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Styrene	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Tetrachloroethene (PCE)	780	780 U Q	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Toluene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	trans-1,3-Dichloropropene	780	780 U	780 UJ	-	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	Trichloroethene (TCE)	780	39.0 J D	39.0 J	-	UG/KG	I/TR
069SB-0055-0001-SO	240-49085-27	SO	N	Vinyl chloride	780	780 U	780 UJ	-	UG/KG	C/I
069SB-0055-0001-SO	240-49085-27	SO	N	Xylenes, Total	1600	1600 U Q	1600 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,1,1-Trichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,1,2,2-Tetrachloroethane	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,1,2-Trichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,1-Dichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,1-Dichloroethene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,2-Dibromoethane (EDB)	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,2-Dichloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,2-Dichloroethene	1400	1400 U	1400 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	1,2-Dichloropropane	690	690 U	690 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0056-0001-SO	240-49085-28	SO	N	2-Butanone (MEK)	2800	2800 U	2800 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	2-Hexanone	2800	2800 U	2800 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	4-Methyl-2-pentanone (MIBK)	2800	2800 U	2800 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Acetone	2800	2800 U	2800 UJ		UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Benzene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Bromochloromethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Bromodichloromethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Bromoform	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Bromomethane	690	690 U	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	240-49085-28	SO	N	Carbon disulfide	690	690 U Q	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	240-49085-28	SO	N	Carbon tetrachloride	690	12000 D	12000 J	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Chlorobenzene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Chloroethane	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Chloroform	690	240 J D	240 J	-	UG/KG	I/TR
069SB-0056-0001-SO	240-49085-28	SO	N	Chloromethane	690	690 U	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	240-49085-28	SO	N	cis-1,3-Dichloropropene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Dibromochloromethane	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Ethylbenzene	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Methyl tert-butyl ether (MTBE)	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Methylene chloride	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Styrene	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Tetrachloroethene (PCE)	690	690 U Q	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Toluene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	trans-1,3-Dichloropropene	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Trichloroethene (TCE)	690	690 U	690 UJ	-	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	Vinyl chloride	690	690 U	690 UJ	-	UG/KG	C/I
069SB-0056-0001-SO	240-49085-28	SO	N	Xylenes, Total	1400	1400 U Q	1400 UJ	-	UG/KG	I
069SB-0057-0001-SO	240-49085-29	SO	N	trans-1,3-Dichloropropene	5.1	5.1 U	5.1 UJ	-	UG/KG	J

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0058-0001-SO	240-49085-30	SO	N	Acetone	15.0	8.0 J	15.0 U	+	UG/KG	L
069SB-0058-0001-SO	240-49085-30	SO	N	Methylene chloride	12.0	12.0 B	12.0 U	+	UG/KG	L
069SB-0058-0001-SO	240-49085-30	SO	N	trans-1,3-Dichloropropene	4.2	4.2 U	4.2 UJ	-	UG/KG	J
069SB-0059-0001-SO	240-49085-31	SO	N	trans-1,3-Dichloropropene	5.1	5.1 U	5.1 UJ	-	UG/KG	J
069SB-0060-0001-SO	240-49085-32	SO	N	Carbon tetrachloride	4.4	1.4 J	1.4 J		UG/KG	TR
069SB-0060-0001-SO	240-49085-32	SO	N	trans-1,3-Dichloropropene	4.4	4.4 U	4.4 UJ	-	UG/KG	J
069SB-0061-0001-SO	240-49085-33	SO	N	1,1,1-Trichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,1,2,2-Tetrachloroethane	270	270 U Q	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,1,2-Trichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,1-Dichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,1-Dichloroethene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,2-Dibromoethane (EDB)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,2-Dichloroethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,2-Dichloroethene	540	540 U	540 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1,2-Dichloropropane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	2-Butanone (MEK)	1100	1100 U	1100 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	2-Hexanone	1100	1100 U	1100 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	4-Methyl-2-pentanone (MIBK)	1100	1100 U	1100 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Acetone	1100	1100 U	1100 UJ		UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Benzene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Bromochloromethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Bromodichloromethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Bromoform	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Bromomethane	270	270 U	270 UJ	-	UG/KG	C/I
069SB-0061-0001-SO	240-49085-33	SO	N	Carbon disulfide	270	270 U Q	270 UJ	-	UG/KG	C
069SB-0061-0001-SO	240-49085-33	SO	N	Carbon tetrachloride	270	700	700 J	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Chlorobenzene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Chloroform	270	29.0 J	29.0 J	-	UG/KG	I/TR

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0061-0001-SO	240-49085-33	SO	N	Chloromethane	270	270 U	270 UJ	-	UG/KG	C/I
069SB-0061-0001-SO	240-49085-33	SO	N	cis-1,3-Dichloropropene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Dibromochloromethane	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Ethylbenzene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Methyl tert-butyl ether (MTBE)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Methylene chloride	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Styrene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Tetrachloroethene (PCE)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Toluene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	trans-1,3-Dichloropropene	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Trichloroethene (TCE)	270	270 U	270 UJ	-	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	Vinyl chloride	270	270 U	270 UJ	-	UG/KG	C/I
069SB-0061-0001-SO	240-49085-33	SO	N	Xylenes, Total	540	540 U	540 UJ	-	UG/KG	I
069SB-0062-0001-SO	240-49085-34	SO	N	1,1,2,2-Tetrachloroethane	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	1,1,2-Trichloroethane	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	1,2-Dibromoethane (EDB)	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	2-Hexanone	19.0	19.0 U	19.0 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	4-Methyl-2-pentanone (MIBK)	19.0	19.0 U	19.0 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	Bromoform	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	Chlorobenzene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	Chloroform	4.7	3.6 J	3.6 J	+	UG/KG	TR/J
069SB-0062-0001-SO	240-49085-34	SO	N	Dibromochloromethane	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	Ethylbenzene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	Styrene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	Tetrachloroethene (PCE)	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	Toluene	4.7	4.7 U	4.7 UJ		UG/KG	S
069SB-0062-0001-SO	240-49085-34	SO	N	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J/S

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B	Extraction Method: SW5035	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0062-0001-SO	240-49085-34	SO	N	Xylenes, Total	9.4	9.4 U	9.4 UJ		UG/KG	S

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

Test Method: SW8260B		Extraction Method: SW5035			Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason	
069SB-0029-0001-SO	240-49085-1	SO	N	1	Carbon tetrachloride	220	370	370 J	UG/KG	I	
069SB-0029-0001-SO	240-49085-1	SO	N	1	Chloroform	220	54.0 J	54.0 J	UG/KG	I/TR	
069SB-0030-0001-SO	240-49085-2	SO	N	1	Carbon tetrachloride	210	520 Q	520	UG/KG		
069SB-0030-0001-SO	240-49085-2	SO	N	1	Chloroform	210	69.0 J	69.0 J	UG/KG	TR	
069SB-0030-0001-SO	240-49085-2	SO	N	1	Styrene	210	8.2 J Q	8.2 J	UG/KG	TR	
069SB-0031-0001-SO	240-49085-3	SO	N	1	Acetone	880	310 J	310 J	UG/KG	I/TR/J	
069SB-0031-0001-SO	240-49085-3	SO	N	1	Carbon tetrachloride	220	4300	4300 J	UG/KG	I	
069SB-0031-0001-SO	240-49085-3	SO	N	1	Chloroform	220	190 J	190 J	UG/KG	I/TR	
069SB-0032-0001-SO	240-49085-4	SO	FD	1	Acetone	890	260 J	260 J	UG/KG	TR/J	
069SB-0032-0001-SO	240-49085-4	SO	FD	1	Carbon tetrachloride	220	4700	4700	UG/KG		
069SB-0032-0001-SO	240-49085-4	SO	FD	1	Chloroform	220	220	220	UG/KG		
069SB-0033-0001-SO	240-49085-5	SO	N	1	Acetone	940	530 J	530 J	UG/KG	I/TR/J	
069SB-0033-0001-SO	240-49085-5	SO	N	1	Carbon tetrachloride	240	8400 Q	8400 J	UG/KG	I	
069SB-0033-0001-SO	240-49085-5	SO	N	1	Chloroform	240	150 J	150 J	UG/KG	I/TR	
069SB-0033-0001-SO	240-49085-5	SO	N	1	Styrene	240	7.6 J Q	7.6 J	UG/KG	I/TR	
069SB-0033-0001-SO	240-49085-5	SO	N	1	Trichloroethene (TCE)	240	20.0 J Q	20.0 J	UG/KG	I/TR	
069SB-0034-0001-SO	240-49085-6	SO	N	1	Acetone	850	370 J	370 J	UG/KG	I/TR/J	
069SB-0034-0001-SO	240-49085-6	SO	N	1	Carbon tetrachloride	210	7900	7900 J	UG/KG	I	
069SB-0034-0001-SO	240-49085-6	SO	N	1	Chloroform	210	330	330 J	UG/KG	I	
069SB-0035-0001-SO	240-49085-7	SO	N	1	Acetone	960	340 J	340 J	UG/KG	I/TR/J	
069SB-0035-0001-SO	240-49085-7	SO	N	1	Carbon tetrachloride	240	3800	3800 J	UG/KG	I	
069SB-0035-0001-SO	240-49085-7	SO	N	1	Chloroform	240	870	870 J	UG/KG	I	
069SB-0036-0001-SO	240-49085-8	SO	N	1	Acetone	1000	410 J	410 J	UG/KG	I/TR/J	
069SB-0036-0001-SO	240-49085-8	SO	N	1	Carbon tetrachloride	250	5400 Q	5400 J	UG/KG	I	
069SB-0036-0001-SO	240-49085-8	SO	N	1	Chloroform	250	540	540 J	UG/KG	I	
069SB-0037-0001-SO	240-49085-9	SO	N	1	Carbon tetrachloride	4.3	0.63 J	0.63 J	UG/KG	TR	
069SB-0038-0001-SO	240-49085-10	SO	N	1	Acetone	16.0	38.0	38.0 J	UG/KG	I/J	

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

Test Method: SW8260B		Extraction Method: SW5035			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0038-0001-SO	240-49085-10	SO	N	1	Methylene chloride	4.0	7.7	7.7 J	UG/KG	I
069SB-0041-0001-SO	240-49085-13	SO	N	1	Methylene chloride	4.1	7.3	7.3 J	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1	Acetone	940	300 J	300 J	UG/KG	I/TR/J
069SB-0042-0001-SO	240-49085-14	SO	N	1	Carbon tetrachloride	230	550 Q	550 J	UG/KG	I
069SB-0042-0001-SO	240-49085-14	SO	N	1	Chloroform	230	58.0 J	58.0 J	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Acetone	830	240 J	240 J	UG/KG	J/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Carbon tetrachloride	210	520	520	UG/KG	
069SB-0043-0001-SO	240-49085-15	SO	N	1	Chloroform	210	54.0 J	54.0 J	UG/KG	TR
069SB-0044-0001-SO	240-49085-16	SO	N	1	Methylene chloride	4.4	3.4 J	3.4 J	UG/KG	I/TR
069SB-0051-0001-SO	240-49085-23	SO	N	1	Acetone	930	310 J	310 J	UG/KG	J/TR
069SB-0051-0001-SO	240-49085-23	SO	N	1	Carbon tetrachloride	230	310	310 J	UG/KG	d
069SB-0051-0001-SO	240-49085-23	SO	N	1	Chloroform	230	33.0 J	33.0 J	UG/KG	TR/d
069SB-0052-0001-SO	240-49085-24	SO	FD	1	Carbon tetrachloride	4.7	130	130 J	UG/KG	d
069SB-0052-0001-SO	240-49085-24	SO	FD	1	Chloroform	4.7	13.0	13.0 J	UG/KG	J/d
069SB-0052-0001-SO	240-49085-24	SO	FD	1	Methylene chloride	4.5	20.0 B	20.0	UG/KG	
069SB-0052-0001-SO	240-49085-24	SO	FD	1	Trichloroethene (TCE)	4.7	0.40 J	0.40 J	UG/KG	TR
069SB-0053-0001-SO	240-49085-25	SO	N	1	Acetone	890	320 J	320 J	UG/KG	J
069SB-0053-0001-SO	240-49085-25	SO	N	1	Carbon tetrachloride	220	1400	1400	UG/KG	
069SB-0053-0001-SO	240-49085-25	SO	N	1	Chloroform	220	61.0 J	61.0 J	UG/KG	TR
069SB-0054-0001-SO	240-49085-26	SO	N	2	Carbon tetrachloride	410	8200 D	8200 J	UG/KG	I
069SB-0054-0001-SO	240-49085-26	SO	N	2	Chloroform	410	140 J D	140 J	UG/KG	I/TR
069SB-0054-0001-SO	240-49085-26	SO	N	2	Trichloroethene (TCE)	410	25.0 J D	25.0 J	UG/KG	I/TR
069SB-0055-0001-SO	240-49085-27	SO	N	3	Carbon tetrachloride	780	13000 D	13000 J	UG/KG	I
069SB-0055-0001-SO	240-49085-27	SO	N	3	Chloroform	780	180 J D	180 J	UG/KG	I/TR
069SB-0055-0001-SO	240-49085-27	SO	N	3	Trichloroethene (TCE)	780	39.0 J D	39.0 J	UG/KG	I/TR
069SB-0056-0001-SO	240-49085-28	SO	N	3	Carbon tetrachloride	690	12000 D	12000 J	UG/KG	I
069SB-0056-0001-SO	240-49085-28	SO	N	3	Chloroform	690	240 J D	240 J	UG/KG	I/TR
069SB-0060-0001-SO	240-49085-32	SO	N	1	Carbon tetrachloride	4.4	1.4 J	1.4 J	UG/KG	TR

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0061-0001-SO	240-49085-33	SO	N	1	Carbon tetrachloride	270	700	700 J	UG/KG	I
069SB-0061-0001-SO	240-49085-33	SO	N	1	Chloroform	270	29.0 J	29.0 J	UG/KG	I/TR
069SB-0062-0001-SO	240-49085-34	SO	N	1	Carbon tetrachloride	4.7	87.0	87.0	UG/KG	
069SB-0062-0001-SO	240-49085-34	SO	N	1	Chloroform	4.7	3.6 J	3.6 J	UG/KG	TR/J

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Rejected Results

--No Records Found--

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Anomalies Count

Test/Extraction Method/Leach	Field Samples Outside of Compliance	Analytes Outside of Compliance
SW8260B/SW5030B/NONE	4	4

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	.			
Were samples preserved properly and received in good condition?	.			
Were holding times met?	.			
Were sample receipt temperatures met?	.			
Were QAPP specified PQLs achieved?	.			
Were all QAPP-specified target analytes reported?	.			
Was the GC/MS system properly tuned based on method criteria?	.			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	.			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	.			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	.			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	.			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	.			
If a linear regression curve was used, was the correlation coefficient within criteria?	.			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	.			
Was a CCV(s) run at the proper frequency?	.			
Was the CCV a mid-level standard from the initial calibration curve?	.			
Did the CCCs have a %Difference within QAPP acceptance limits?	.			
Were the average RFs for the SPCCs within QAPP acceptance limits?	.			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	.			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	.			
Were the retention times for all IS compounds within QAPP acceptance limits?	.			
Are the area counts of all IS compounds within QAPP acceptance limits?	.	.		DCB IS area low for sample 16. DCB and CBZ area low for sample 24. Associated target analytes quantitated using these IS were qualified.
Was a method blank prepared and analyzed with each batch?	.			

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Were target analytes detected in the method blank above the MDL?		•		Acetone detected in analytical batch MB 240-175977/10. Actone and Methylene Chloride detected in analytical batch MB 240-176387/33. Acetone detected in aqueous MB 240-175731/6 (associated with TBs). Detected results in associated samples with concentrations less than 5X MB concentration were qualified U (ND), per QAPP.
Was a field blank (equipment or trip) collected and analyzed at the required frequency?	•			
Were target analytes reported in the field blank analyses above the MDL?		•		Acetone was detected in all 4 trip blanks; all results qualified with U based on MB result. No other results detected in TBs.
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?		•		Samples 23/24 results for carbon tetrachloride and chloroform exceeded QAPP limits (23 run medium; 24 run low level analysis).
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were the LCS/LCSD recoveries within QAPP acceptance limits?		•		LCS 240-175665/2-1 %Rec low for carbon disulfide and vinyl chloride. LCS 240-175761/2-A %REC low for 1,1,2,2-Tetrachloroethene. LCS 240-175761/2-A %REC low for bromomethane, carbon disulfide, bromodichloromethane, and vinyl chloride.
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	No LCSDs
Were the MRL recoveries within 70-130% limits?		•		Samples 35-38, MRLs high for bromomethane, chloromethane, vinyl chloride, and chloroethane and MRLs low for bromoform, cis-1,3-dichloropropene, dibromochloromethane, methylene chloride, and trans-1,3-dichloropropene. Samples 1-8 and 14, MRLs high for acetone. Samples 9-13, 15, 16, 23, 25-28, 33, MRLs high for acetone and low for methylene chloride. Samples 1, 9-13, 16, 18-22, 24, 29-32, and 34, MRL low for trans-1,3-dichloropropene. Samples 17-22, 24, 29-32, and 34, numerous MRLs high, of which, only chloroform was detected in samples 24 and 34.
Was the duplicate RPD within QAPP acceptance limits?			•	No laboratory duplicate
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?		•		
Were surrogate recoveries within QAPP acceptance limits?		•		One or more surrogates recovered below QC limits for the primary run of samples 1, 3, 5, 6, 7, 8, 26, 27, 28, and 33. One or more surrogates recovered below QC limits for the secondary run of samples 1, 7, 9, 10, 11, 12, 13, 16, 27, and 28. One surrogate recovered above QC limits in the secondary run of sample 9 and the primary run of sample 22 (no detects). See test method comments for target analytes reported in secondary runs.
Were reported sample concentrations within calibration range?	•			

Automated Data Review Detail Report for 240-49085-1_

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	.			
Were instrument run logs present and filled out appropriately?	.			
Were sample preparation sheets present and filled out appropriately?	.			

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WORKSHEET 6

Automated Data Review Summary for 240-49085-2

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Facility: Ravenna Army Ammunition Plant
 Event: Spring 2015
 Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
 Contract Laboratory: TestAmerica Laboratories, Inc., North Canton, OH
 Field Contractor: Environmental Chemical Corporation, Marlborough, MA
 Data Review Contractor: ECC
 SDG: 240-49085-2, Certified - 5/7/2015 by frederickroche
 QC Level: ADR
 Project Manager: Al Easterday
 Data Reviewer: Jackson Kiker
 Data Reviewer Title: Senior Chemist
 Date of Review Report:
 Second Reviewer:
 Completion Date of Second Reviewer:

Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
E353.2/NONE	4	
SW6020/NONE	4	
SW7471A/NONE	4	
SW8081/NONE	4	
SW8082/NONE	4	
SW8270C/NONE	4	
SW8330B/NONE	4	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Marlborough, MA; analyses were performed by TestAmerica Laboratories, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-49085-2. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Surrogate
- Blank - Negative
- Test Hold Time
- LCS Recovery
- Blank
- Prep Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- LCS RPD
- Equipment Blank
- MS Recovery
- Calibration Blank - Negative
- Ambient Blank
- Field Duplicate RPD
- Calibration Blank
- Continuing Calibration Verification
- Trip Blank
- Field Blank
- MS RPD
- Initial Calibration Verification
- Material Blank
- Lab Replicate RPD

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 103 results (19.07%) out of the 540 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
E353.2	
SW6020	
SW7471A	
SW8081	Surrogate and MS within QAPP QSM limits. Dual column RPD out for two analytes.
SW8082	
SW8270C	
SW8330B	

Reviewed by Jackson Kiker, Senior Chemist

Qualified Results

Test Method: E353.2		Extraction Method: METHOD		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	N	Nitrocellulose	6.4	1.2 J	6.4 U	+	MG/KG	L
069SB-0043-0001-SO	N	Nitrocellulose	5.8	1.2 J	5.8 U	+	MG/KG	L
069SB-0050-0001-SO	N	Nitrocellulose	5.9	1.1 J	5.9 U	+	MG/KG	L
069SB-0062-0001-SO	N	Nitrocellulose	5.8	1.1 J	5.8 U	+	MG/KG	L

Test Method: SW6020		Extraction Method: SW3050B		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	N	Antimony	0.47	0.10 J D	0.47 U	+	MG/KG	L
069SB-0036-0001-SO	N	Chromium	1.2	10.0 D	10.0 J		MG/KG	J
069SB-0036-0001-SO	N	Silver	0.23	0.020 J D	0.020 J		MG/KG	TR
069SB-0036-0001-SO	N	Thallium	0.47	0.12 J D	0.12 J		MG/KG	TR
069SB-0043-0001-SO	N	Antimony	0.42	0.064 J D	0.42 U	+	MG/KG	L
069SB-0043-0001-SO	N	Cadmium	0.42	0.13 J D	0.13 J	+	MG/KG	TR
069SB-0043-0001-SO	N	Chromium	1.1	14.0 D	14.0 J		MG/KG	J
069SB-0043-0001-SO	N	Selenium	1.1	0.80 J D	0.80 J		MG/KG	TR
069SB-0043-0001-SO	N	Silver	0.21	0.021 J D	0.021 J		MG/KG	TR
069SB-0043-0001-SO	N	Sodium	210	73.0 J D	73.0 J		MG/KG	TR
069SB-0043-0001-SO	N	Thallium	0.42	0.12 J D	0.12 J		MG/KG	TR
069SB-0050-0001-SO	N	Antimony	0.39	0.067 J D	0.39 U	+	MG/KG	L
069SB-0050-0001-SO	N	Cadmium	0.39	0.12 J D	0.12 J		MG/KG	TR
069SB-0050-0001-SO	N	Chromium	0.98	15.0 D	15.0 J		MG/KG	J
069SB-0050-0001-SO	N	Selenium	0.98	0.80 J D	0.80 J		MG/KG	TR
069SB-0050-0001-SO	N	Silver	0.20	0.023 J D	0.023 J		MG/KG	TR
069SB-0050-0001-SO	N	Sodium	200	66.0 J D	66.0 J		MG/KG	TR
069SB-0050-0001-SO	N	Thallium	0.39	0.13 J D	0.13 J		MG/KG	TR
069SB-0062-0001-SO	N	Antimony	0.41	0.054 J D	0.41 U	+	MG/KG	L
069SB-0062-0001-SO	N	Cadmium	0.41	0.10 J D	0.41 U	+	MG/KG	L
069SB-0062-0001-SO	N	Chromium	1.0	13.0 D	13.0 J		MG/KG	J
069SB-0062-0001-SO	N	Selenium	1.0	0.73 J D	0.73 J		MG/KG	TR
069SB-0062-0001-SO	N	Silver	0.20	0.018 J D	0.018 J		MG/KG	TR
069SB-0062-0001-SO	N	Sodium	200	59.0 J D	59.0 J		MG/KG	TR
069SB-0062-0001-SO	N	Thallium	0.41	0.13 J D	0.13 J		MG/KG	TR

Test Method: SW8081		Extraction Method: SW3540C		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	N	Endosulfan sulfate	3.9	3.9 U Q	3.9 UJ		UG/KG	V2
069SB-0036-0001-SO	N	Heptachlor	4.5	4.5 U Q	4.5 UJ		UG/KG	V2
069SB-0043-0001-SO	N	Endosulfan sulfate	3.6	3.6 U Q	3.6 UJ		UG/KG	V2

Qualified Results

Test Method: SW8081		Extraction Method: SW3540C		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0043-0001-SO	N	Heptachlor	4.1	4.1 U Q	4.1 UJ		UG/KG	V2
069SB-0050-0001-SO	N	Endosulfan sulfate	3.5	2.7 J	3.5 U		UG/KG	P1/Z2
069SB-0050-0001-SO	N	Endrin aldehyde	3.5	0.50 J	3.5 U		UG/KG	P1/Z2
069SB-0050-0001-SO	N	Heptachlor	4.1	4.1 U Q	4.1 UJ		UG/KG	V2
069SB-0062-0001-SO	N	Endosulfan sulfate	3.5	3.5 U Q	3.5 UJ		UG/KG	V2
069SB-0062-0001-SO	N	Heptachlor	4.1	4.1 U Q	4.1 UJ		UG/KG	V2

Test Method: SW8270C		Extraction Method: SW3550		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	N	2,4,6-Trichlorophenol	190	190 U	190 UJ		UG/KG	m
069SB-0036-0001-SO	N	2,4-Dinitrophenol	420	420 U	420 UJ		UG/KG	J
069SB-0036-0001-SO	N	4,6-Dinitro-2-methylphenol	190	190 U	190 UJ		UG/KG	J
069SB-0036-0001-SO	N	Benzoic acid	830	130 J M	130 J		UG/KG	TR
069SB-0036-0001-SO	N	Hexachlorocyclopentadiene	420	420 U	420 UJ	-	UG/KG	C/J
069SB-0036-0001-SO	N	Pentachlorophenol	190	190 U	190 UJ		UG/KG	J
069SB-0043-0001-SO	N	1,2,4-Trichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	1,2-Dichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	1,3-Dichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	1,4-Dichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2,4,5-Trichlorophenol	170	170 U Q	170 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2,4,6-Trichlorophenol	170	170 U Q	170 UJ	-	UG/KG	I/m
069SB-0043-0001-SO	N	2,4-Dichlorophenol	170	170 U	170 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2,4-Dimethylphenol	170	170 U	170 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2,4-Dinitrophenol	380	380 U Q	380 UJ	-	UG/KG	I/J
069SB-0043-0001-SO	N	2,4-Dinitrotoluene	230	230 U	230 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2,6-Dinitrotoluene	230	230 U	230 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2-Chloronaphthalene	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2-Chlorophenol	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2-Methylnaphthalene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2-Methylphenol (o-Cresol)	230	230 U	230 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2-Nitroaniline	230	230 U	230 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	2-Nitrophenol	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	3,3'-Dichlorobenzidine	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	3-Nitroaniline	230	230 U	230 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	4,6-Dinitro-2-methylphenol	170	170 U Q	170 UJ	-	UG/KG	I/J
069SB-0043-0001-SO	N	4-Bromophenyl phenyl ether	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	4-Chloro-3-methylphenol	170	170 U Q	170 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	4-Chloroaniline	170	170 U	170 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	4-Chlorophenyl phenyl ether	58.0	58.0 U	58.0 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8270C		Extraction Method: SW3550		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0043-0001-SO	N	4-Nitroaniline	230	230 U	230 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	4-Nitrophenol	380	380 U Q	380 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Acenaphthene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Acenaphthylene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Anthracene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Benzo(a)anthracene	7.8	7.6 J	7.6 J	-	UG/KG	I/TR
069SB-0043-0001-SO	N	Benzo(a)pyrene	7.8	6.6 J M	6.6 J	-	UG/KG	I/TR
069SB-0043-0001-SO	N	Benzo(b)fluoranthene	7.8	12.0	12.0 J	-	UG/KG	I
069SB-0043-0001-SO	N	Benzo(g,h,i)perylene	7.8	6.0 J M	6.0 J	-	UG/KG	I/TR
069SB-0043-0001-SO	N	Benzo(k)fluoranthene	7.8	4.0 J M	4.0 J	-	UG/KG	I/TR
069SB-0043-0001-SO	N	Benzoic acid	770	770 U	770 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Benzyl alcohol	380	380 U	380 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Benzyl butyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	bis(2-Chloroethoxy) methane	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	bis(2-Chloroethyl) ether (2-Chloroethyl ether)	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	bis(2-Chloroisopropyl) ether	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	bis(2-Ethylhexyl) phthalate	82.0	25.0 J	25.0 J	-	UG/KG	I/TR
069SB-0043-0001-SO	N	Carbazole	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Chrysene	7.8	9.1	9.1 J	-	UG/KG	I
069SB-0043-0001-SO	N	Cresols, m & p	470	470 U	470 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Dibenz(a,h)anthracene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Dibenzofuran	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Diethyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Dimethyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Di-n-Butyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Di-n-Octylphthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Fluoranthene	7.8	15.0	15.0 J	-	UG/KG	I
069SB-0043-0001-SO	N	Fluorene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Hexachlorobenzene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Hexachlorobutadiene	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Hexachlorocyclopentadiene	380	380 U Q	380 UJ	-	UG/KG	C/J
069SB-0043-0001-SO	N	Hexachloroethane	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Indeno(1,2,3-c,d)pyrene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Isophorone	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Naphthalene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Nitrobenzene	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	n-Nitrosodi-n-propylamine	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	n-Nitrosodiphenylamine	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	N	Pentachlorophenol	170	170 U Q	170 UJ	-	UG/KG	I/J
069SB-0043-0001-SO	N	Phenanthrene	7.8	6.6 J	6.6 J	-	UG/KG	I/TR
069SB-0043-0001-SO	N	Phenol	58.0	58.0 U	58.0 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8270C		Extraction Method: SW3550		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0043-0001-SO	N	Pyrene	7.8	12.0	12.0 J	-	UG/KG	I
069SB-0050-0001-SO	N	2,4,6-Trichlorophenol	170	170 U	170 UJ		UG/KG	m
069SB-0050-0001-SO	N	2,4-Dinitrophenol	380	380 U	380 UJ		UG/KG	J
069SB-0050-0001-SO	N	4,6-Dinitro-2-methylphenol	170	170 U	170 UJ		UG/KG	J
069SB-0050-0001-SO	N	Fluoranthene	7.8	3.9 J	3.9 J		UG/KG	TR
069SB-0050-0001-SO	N	Hexachlorocyclopentadiene	380	380 U	380 UJ	-	UG/KG	C/J
069SB-0050-0001-SO	N	Pentachlorophenol	170	170 U	170 UJ		UG/KG	J
069SB-0050-0001-SO	N	Phenanthrene	7.8	6.2 J	6.2 J		UG/KG	TR
069SB-0050-0001-SO	N	Pyrene	7.8	3.9 J	3.9 J		UG/KG	TR
069SB-0062-0001-SO	N	2,4,6-Trichlorophenol	170	170 U	170 UJ		UG/KG	m
069SB-0062-0001-SO	N	2,4-Dinitrophenol	380	380 U	380 UJ		UG/KG	J
069SB-0062-0001-SO	N	4,6-Dinitro-2-methylphenol	170	170 U	170 UJ		UG/KG	J
069SB-0062-0001-SO	N	Hexachlorocyclopentadiene	380	380 U	380 UJ	-	UG/KG	C/J
069SB-0062-0001-SO	N	Pentachlorophenol	170	170 U	170 UJ		UG/KG	J

Reason Code Definitions

Code	Definition
C	LCS Recovery
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
L	Lab Blank
m	MS - low
P1	Column RPD
TR	Trace Level Detect
V2	CCV
Z2	Analyte not confirmed on second column

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: E353.2 Analysis Batch: 72011

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	MB320715071B		1/1	4/21/2015 06:29	4/21/2015 06:29	4/22/2015 13:53	71631/	LB
LABQC	SQ	LABQC	LCS320715072B		1/1	4/21/2015 06:29	4/21/2015 06:29	4/22/2015 13:55	71631/	BS
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/1	4/7/2015 09:20	4/21/2015 06:29	4/22/2015 13:59	71631/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/1	4/7/2015 10:05	4/21/2015 06:29	4/22/2015 14:05	71631/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/1	4/7/2015 09:43	4/21/2015 06:29	4/22/2015 14:07	71631/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/1	4/7/2015 11:05	4/21/2015 06:29	4/22/2015 14:09	71631/	N

Test Method: SW6020 Analysis Batch: 177115

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	MB2401765621A2		1/2	4/15/2015 11:42	4/15/2015 11:42	4/20/2015 18:14	176562/	LB
LABQC	SQ	LABQC	LCS2401765622A2		1/2	4/15/2015 11:42	4/15/2015 11:42	4/20/2015 18:18	176562/	BS
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/2	4/7/2015 09:20	4/15/2015 11:42	4/20/2015 18:56	176562/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/2	4/7/2015 10:05	4/15/2015 11:42	4/20/2015 19:00	176562/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/2	4/7/2015 09:43	4/15/2015 11:42	4/20/2015 19:04	176562/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/2	4/7/2015 11:05	4/15/2015 11:42	4/20/2015 19:08	176562/	N

Test Method: SW6020 Analysis Batch: 177351

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		2/50	4/7/2015 09:20	4/15/2015 11:42	4/21/2015 21:26	176562/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		2/50	4/7/2015 10:05	4/15/2015 11:42	4/21/2015 21:37	176562/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		2/50	4/7/2015 09:43	4/15/2015 11:42	4/21/2015 21:41	176562/	N
LABQC	SQ	LABQC	MB2401765621A2		2/2	4/15/2015 11:42	4/15/2015 11:42	4/21/2015 22:00	176562/	LB

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Ravenna Army Ammunition Plant

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Batch Report

Test Method: SW6020 Analysis Batch: 177351

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	LCS2401765622A2		2/2	4/15/2015 11:42	4/15/2015 11:42	4/21/2015 22:04	176562/	BS
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		3/2	4/7/2015 09:20	4/15/2015 11:42	4/21/2015 22:41	176562/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		3/2	4/7/2015 10:05	4/15/2015 11:42	4/21/2015 22:45	176562/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		3/2	4/7/2015 09:43	4/15/2015 11:42	4/21/2015 22:49	176562/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		2/2	4/7/2015 11:05	4/15/2015 11:42	4/21/2015 23:15	176562/	N

Test Method: SW6020 Analysis Batch: 177478

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		3/50	4/7/2015 11:05	4/15/2015 11:42	4/22/2015 11:36	176562/	N

Test Method: SW7471A Analysis Batch: 176708

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	MB2401765701A		1/1	4/15/2015 15:00	4/15/2015 15:00	4/16/2015 09:25	176570/	LB
LABQC	SQ	LABQC	LCS2401765702A		1/1	4/15/2015 15:00	4/15/2015 15:00	4/16/2015 09:27	176570/	BS
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/1	4/7/2015 09:20	4/15/2015 15:00	4/16/2015 09:42	176570/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/1	4/7/2015 10:05	4/15/2015 15:00	4/16/2015 09:44	176570/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/1	4/7/2015 09:43	4/15/2015 15:00	4/16/2015 09:47	176570/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/1	4/7/2015 11:05	4/15/2015 15:00	4/16/2015 09:48	176570/	N

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: SW8081		Analysis Batch: 177015								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/1	4/7/2015 09:20	4/16/2015 08:24	4/20/2015 21:24	176662/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/1	4/7/2015 10:05	4/16/2015 08:24	4/20/2015 21:46	176662/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/1	4/7/2015 09:43	4/16/2015 08:24	4/20/2015 22:52	176662/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/1	4/7/2015 11:05	4/16/2015 08:24	4/20/2015 23:14	176662/	N
LABQC	SQ	LABQC	MB2401766627A		1/1	4/16/2015 08:24	4/16/2015 08:24	4/20/2015 23:35	176662/	LB
LABQC	SQ	LABQC	LCS2401766628A		1/1	4/16/2015 08:24	4/16/2015 08:24	4/20/2015 23:57	176662/	BS

Test Method: SW8082		Analysis Batch: 176175								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/1	4/7/2015 09:20	4/9/2015 08:35	4/13/2015 12:25	175707/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/1	4/7/2015 10:05	4/9/2015 08:35	4/13/2015 12:41	175707/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/1	4/7/2015 09:43	4/9/2015 08:35	4/13/2015 12:56	175707/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/1	4/7/2015 11:05	4/9/2015 08:35	4/13/2015 13:12	175707/	N
LABQC	SQ	LABQC	MB24017570721A		1/1	4/9/2015 08:35	4/9/2015 08:35	4/13/2015 13:27	175707/	LB
LABQC	SQ	LABQC	LCS24017570722A		1/1	4/9/2015 08:35	4/9/2015 08:35	4/13/2015 13:42	175707/	BS

Test Method: SW8270C		Analysis Batch: 177355								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	MB24017684023A		1/1	4/17/2015 08:24	4/17/2015 08:24	4/22/2015 08:29	176840/	LB
LABQC	SQ	LABQC	LCS24017684024A		1/1	4/17/2015 08:24	4/17/2015 08:24	4/22/2015 08:54	176840/	BS
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/1	4/7/2015 09:20	4/17/2015 08:24	4/22/2015 10:09	176840/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/1	4/7/2015 09:43	4/17/2015 08:24	4/22/2015 10:34	176840/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/1	4/7/2015 10:05	4/17/2015 08:24	4/22/2015 10:59	176840/	N

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: SW8270C		Analysis Batch: 177355								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/1	4/7/2015 11:05	4/17/2015 08:24	4/22/2015 11:24	176840/	N

Test Method: SW8330B		Analysis Batch: 71173								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	MB320710361A		1/1	4/13/2015 16:54	4/13/2015 16:54	4/15/2015 21:37	71036/	LB
LABQC	SQ	LABQC	LCS320710362A		1/1	4/13/2015 16:54	4/13/2015 16:54	4/15/2015 22:20	71036/	BS
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		1/1	4/7/2015 09:20	4/13/2015 16:54	4/15/2015 23:04	71036/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		1/1	4/7/2015 10:05	4/13/2015 16:54	4/16/2015 01:14	71036/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		1/1	4/7/2015 09:43	4/13/2015 16:54	4/16/2015 01:58	71036/	N
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		1/1	4/7/2015 11:05	4/13/2015 16:54	4/16/2015 02:42	71036/	N

Test Method: SW8330B		Analysis Batch: 71582								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	MB320710371A		1/1	4/13/2015 17:23	4/13/2015 17:23	4/20/2015 13:50	71037/	LB
LABQC	SQ	LABQC	LCS320710372A		1/1	4/13/2015 17:23	4/13/2015 17:23	4/20/2015 14:08	71037/	BS
69-1048-SB101	SO	069SB-0036-0001-SO	240-49085-8		2/1	4/7/2015 09:20	4/13/2015 17:23	4/20/2015 14:26	71037/	N
69-1048-SB102	SO	069SB-0043-0001-SO	240-49085-15		2/1	4/7/2015 10:05	4/13/2015 17:23	4/20/2015 15:19	71037/	N
69-1048-SB103	SO	069SB-0050-0001-SO	240-49085-22		2/1	4/7/2015 09:43	4/13/2015 17:23	4/20/2015 15:37	71037/	N

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

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Batch Report

Test Method: SW8330B		Analysis Batch: 71582								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB105	SO	069SB-0062-0001-SO	240-49085-34		2/1	4/7/2015 11:05	4/13/2015 17:23	4/20/2015 15:54	71037/	N

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

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Field Batch Report

--No Records Found--

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

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QC Outlier Report

Test Method: E353.2		Extraction Method: METHOD		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	MB320715071B (LB) / MB320715071B	1 / 1.00	Nitrocellulose	1.07 (MG/KG)	U/None	< 0.78	< 5	L		1	1.07

Test Method: SW6020		Extraction Method: SW3050B		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Cobalt	0.00940 (MG/KG)	U/None	< 0.0017	< 0.2	L		10	0.0940
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Antimony	0.0204 (MG/KG)	U/None	< 0.014	< 0.4	L		10	0.204
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Beryllium	0.0212 (MG/KG)	U/None	< 0.011	< 0.2	L		10	0.212
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Cadmium	0.0232 (MG/KG)	U/None	< 0.0037	< 0.4	L		10	0.232
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Lead	0.0474 (MG/KG)	U/None	< 0.045	< 0.6	L		10	0.474
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Vanadium	0.0582 (MG/KG)	U/None	< 0.037	< 1	L		10	0.582
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Selenium	0.0650 (MG/KG)	U/None	< 0.04	< 1	L		10	0.650
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Arsenic	0.0692 (MG/KG)	U/None	< 0.026	< 1	L		10	0.692
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Barium	0.229 (MG/KG)	U/None	< 0.22	< 1	L		10	2.29
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Aluminum	1.27 (MG/KG)	U/None	< 0.62	< 20	L		10	12.7
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Sodium	11.5 (MG/KG)	U/None	< 8.7	< 200	L		10	115
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Magnesium	6.19 (MG/KG)	U/None	< 4	< 200	L		10	61.9
Blank	MB2401765621A2 (LB) / MB2401765621A2	1 / 2.00	Potassium	8.46 (MG/KG)	U/None	< 4.9	< 200	L		10	84.6
Blank	MB2401765621A2 (LB) / MB2401765621A2	2 / 2.00	Nickel	0.0396 (MG/KG)	U/None	< 0.039	< 1	L		10	0.396

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Ravenna Army Ammunition Plant

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QC Outlier Report

Test Method: SW6020 Extraction Method: SW3050B Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	MB2401765621A2 (LB) / MB2401765621A2	2 / 2.00	Chromium	0.176 (MG/KG)	U/None	< 0.06	< 1	L		10	1.76

Test Method: SW8270C Extraction Method: SW3550 Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
LCS Recovery	LCS24017684024A (BS) / LCS24017684024A	1 / 1.00	Hexachlorocyclopentadiene	43.9 (Percent)	J/R	70 - 130	70 - 130	C			
Surrogate	069SB-0043-0001-SO (N) / 240-49085-15	1 / 1.00	2,4,6-Tribromophenol	27.0 (Percent)	J/UJ	35 - 125	10 - 125	I			

Test Method: SW8330B Extraction Method: METHOD Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
LCS Recovery	LCS320710372A (BS) / LCS320710372A	1 / 1.00	Nitroguanidine	74.2 (Percent)	J/UJ	80 - 120	20 - 120	C			
LCS Recovery	LCS320710372A (BS) / LCS320710372A	1 / 1.00	Nitroguanidine	74.2 (Percent)	J/R	80 - 120	80 - 120	C			

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

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Qualified Results

Test Method: E353.2		Extraction Method: METHOD		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	240-49085-8	SO	N	Nitrocellulose	6.4	1.2 J	6.4 U	+	MG/KG	L
069SB-0043-0001-SO	240-49085-15	SO	N	Nitrocellulose	5.8	1.2 J	5.8 U	+	MG/KG	L
069SB-0050-0001-SO	240-49085-22	SO	N	Nitrocellulose	5.9	1.1 J	5.9 U	+	MG/KG	L
069SB-0062-0001-SO	240-49085-34	SO	N	Nitrocellulose	5.8	1.1 J	5.8 U	+	MG/KG	L

Test Method: SW6020		Extraction Method: SW3050B		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	240-49085-8	SO	N	Antimony	0.47	0.10 J D	0.47 U	+	MG/KG	L
069SB-0036-0001-SO	240-49085-8	SO	N	Chromium	1.2	10.0 D	10.0 J		MG/KG	J
069SB-0036-0001-SO	240-49085-8	SO	N	Silver	0.23	0.020 J D	0.020 J		MG/KG	TR
069SB-0036-0001-SO	240-49085-8	SO	N	Thallium	0.47	0.12 J D	0.12 J		MG/KG	TR
069SB-0043-0001-SO	240-49085-15	SO	N	Antimony	0.42	0.064 J D	0.42 U	+	MG/KG	L
069SB-0043-0001-SO	240-49085-15	SO	N	Cadmium	0.42	0.13 J D	0.13 J	+	MG/KG	TR
069SB-0043-0001-SO	240-49085-15	SO	N	Chromium	1.1	14.0 D	14.0 J		MG/KG	J
069SB-0043-0001-SO	240-49085-15	SO	N	Selenium	1.1	0.80 J D	0.80 J		MG/KG	TR
069SB-0043-0001-SO	240-49085-15	SO	N	Silver	0.21	0.021 J D	0.021 J		MG/KG	TR
069SB-0043-0001-SO	240-49085-15	SO	N	Sodium	210	73.0 J D	73.0 J		MG/KG	TR
069SB-0043-0001-SO	240-49085-15	SO	N	Thallium	0.42	0.12 J D	0.12 J		MG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	Antimony	0.39	0.067 J D	0.39 U	+	MG/KG	L
069SB-0050-0001-SO	240-49085-22	SO	N	Cadmium	0.39	0.12 J D	0.12 J		MG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	Chromium	0.98	15.0 D	15.0 J		MG/KG	J
069SB-0050-0001-SO	240-49085-22	SO	N	Selenium	0.98	0.80 J D	0.80 J		MG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	Silver	0.20	0.023 J D	0.023 J		MG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	Sodium	200	66.0 J D	66.0 J		MG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	Thallium	0.39	0.13 J D	0.13 J		MG/KG	TR
069SB-0062-0001-SO	240-49085-34	SO	N	Antimony	0.41	0.054 J D	0.41 U	+	MG/KG	L

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Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW6020		Extraction Method: SW3050B		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0062-0001-SO	240-49085-34	SO	N	Cadmium	0.41	0.10 J D	0.41 U	+	MG/KG	L
069SB-0062-0001-SO	240-49085-34	SO	N	Chromium	1.0	13.0 D	13.0 J		MG/KG	J
069SB-0062-0001-SO	240-49085-34	SO	N	Selenium	1.0	0.73 J D	0.73 J		MG/KG	TR
069SB-0062-0001-SO	240-49085-34	SO	N	Silver	0.20	0.018 J D	0.018 J		MG/KG	TR
069SB-0062-0001-SO	240-49085-34	SO	N	Sodium	200	59.0 J D	59.0 J		MG/KG	TR
069SB-0062-0001-SO	240-49085-34	SO	N	Thallium	0.41	0.13 J D	0.13 J		MG/KG	TR

Test Method: SW8081		Extraction Method: SW3540C		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	240-49085-8	SO	N	Endosulfan sulfate	3.9	3.9 U Q	3.9 UJ		UG/KG	V2
069SB-0036-0001-SO	240-49085-8	SO	N	Heptachlor	4.5	4.5 U Q	4.5 UJ		UG/KG	V2
069SB-0043-0001-SO	240-49085-15	SO	N	Endosulfan sulfate	3.6	3.6 U Q	3.6 UJ		UG/KG	V2
069SB-0043-0001-SO	240-49085-15	SO	N	Heptachlor	4.1	4.1 U Q	4.1 UJ		UG/KG	V2
069SB-0050-0001-SO	240-49085-22	SO	N	Endosulfan sulfate	3.5	2.7 J	3.5 U		UG/KG	P1/Z2
069SB-0050-0001-SO	240-49085-22	SO	N	Endrin aldehyde	3.5	0.50 J	3.5 U		UG/KG	P1/Z2
069SB-0050-0001-SO	240-49085-22	SO	N	Heptachlor	4.1	4.1 U Q	4.1 UJ		UG/KG	V2
069SB-0062-0001-SO	240-49085-34	SO	N	Endosulfan sulfate	3.5	3.5 U Q	3.5 UJ		UG/KG	V2
069SB-0062-0001-SO	240-49085-34	SO	N	Heptachlor	4.1	4.1 U Q	4.1 UJ		UG/KG	V2

Test Method: SW8270C		Extraction Method: SW3550		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0036-0001-SO	240-49085-8	SO	N	2,4,6-Trichlorophenol	190	190 U	190 UJ		UG/KG	m
069SB-0036-0001-SO	240-49085-8	SO	N	2,4-Dinitrophenol	420	420 U	420 UJ		UG/KG	J
069SB-0036-0001-SO	240-49085-8	SO	N	4,6-Dinitro-2-methylphenol	190	190 U	190 UJ		UG/KG	J
069SB-0036-0001-SO	240-49085-8	SO	N	Benzoic acid	830	130 J M	130 J		UG/KG	TR

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Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8270C		Extraction Method: SW3550		Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
069SB-0036-0001-SO	240-49085-8	SO	N	Hexachlorocyclopentadiene	420	420 U	420 UJ	-	UG/KG	C/J	
069SB-0036-0001-SO	240-49085-8	SO	N	Pentachlorophenol	190	190 U	190 UJ		UG/KG	J	
069SB-0043-0001-SO	240-49085-15	SO	N	1,2,4-Trichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	1,2-Dichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	1,3-Dichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	1,4-Dichlorobenzene	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2,4,5-Trichlorophenol	170	170 U Q	170 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2,4,6-Trichlorophenol	170	170 U Q	170 UJ	-	UG/KG	I/m	
069SB-0043-0001-SO	240-49085-15	SO	N	2,4-Dichlorophenol	170	170 U	170 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2,4-Dimethylphenol	170	170 U	170 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2,4-Dinitrophenol	380	380 U Q	380 UJ	-	UG/KG	I/J	
069SB-0043-0001-SO	240-49085-15	SO	N	2,4-Dinitrotoluene	230	230 U	230 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2,6-Dinitrotoluene	230	230 U	230 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2-Chloronaphthalene	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2-Chlorophenol	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2-Methylnaphthalene	7.8	7.8 U	7.8 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2-Methylphenol (o-Cresol)	230	230 U	230 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2-Nitroaniline	230	230 U	230 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	2-Nitrophenol	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	3,3'-Dichlorobenzidine	120	120 U	120 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	3-Nitroaniline	230	230 U	230 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	4,6-Dinitro-2-methylphenol	170	170 U Q	170 UJ	-	UG/KG	I/J	
069SB-0043-0001-SO	240-49085-15	SO	N	4-Bromophenyl phenyl ether	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	4-Chloro-3-methylphenol	170	170 U Q	170 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	4-Chloroaniline	170	170 U	170 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	4-Chlorophenyl phenyl ether	58.0	58.0 U	58.0 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	4-Nitroaniline	230	230 U	230 UJ	-	UG/KG	I	
069SB-0043-0001-SO	240-49085-15	SO	N	4-Nitrophenol	380	380 U Q	380 UJ	-	UG/KG	I	

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8270C	Extraction Method: SW3550	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0043-0001-SO	240-49085-15	SO	N	Acenaphthene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Acenaphthylene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Anthracene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Benzo(a)anthracene	7.8	7.6 J	7.6 J	-	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	Benzo(a)pyrene	7.8	6.6 J M	6.6 J	-	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	Benzo(b)fluoranthene	7.8	12.0	12.0 J	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Benzo(g,h,i)perylene	7.8	6.0 J M	6.0 J	-	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	Benzo(k)fluoranthene	7.8	4.0 J M	4.0 J	-	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	Benzoic acid	770	770 U	770 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Benzyl alcohol	380	380 U	380 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Benzyl butyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	bis(2-Chloroethoxy) methane	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	bis(2-Chloroethyl) ether (2-Chloroethyl ether)	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	bis(2-Chloroisopropyl) ether	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	bis(2-Ethylhexyl) phthalate	82.0	25.0 J	25.0 J	-	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	Carbazole	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Chrysene	7.8	9.1	9.1 J	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Cresols, m & p	470	470 U	470 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Dibenz(a,h)anthracene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Dibenzofuran	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Diethyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Dimethyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Di-n-Butyl phthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Di-n-Octylphthalate	82.0	82.0 U	82.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Fluoranthene	7.8	15.0	15.0 J	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Fluorene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Hexachlorobenzene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Hexachlorobutadiene	58.0	58.0 U	58.0 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8270C	Extraction Method: SW3550	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0043-0001-SO	240-49085-15	SO	N	Hexachlorocyclopentadiene	380	380 U Q	380 UJ	-	UG/KG	C/J
069SB-0043-0001-SO	240-49085-15	SO	N	Hexachloroethane	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Indeno(1,2,3-c,d)pyrene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Isophorone	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Naphthalene	7.8	7.8 U	7.8 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Nitrobenzene	120	120 U	120 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	n-Nitrosodi-n-propylamine	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	n-Nitrosodiphenylamine	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Pentachlorophenol	170	170 U Q	170 UJ	-	UG/KG	I/J
069SB-0043-0001-SO	240-49085-15	SO	N	Phenanthrene	7.8	6.6 J	6.6 J	-	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	Phenol	58.0	58.0 U	58.0 UJ	-	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	Pyrene	7.8	12.0	12.0 J	-	UG/KG	I
069SB-0050-0001-SO	240-49085-22	SO	N	2,4,6-Trichlorophenol	170	170 U	170 UJ		UG/KG	m
069SB-0050-0001-SO	240-49085-22	SO	N	2,4-Dinitrophenol	380	380 U	380 UJ		UG/KG	J
069SB-0050-0001-SO	240-49085-22	SO	N	4,6-Dinitro-2-methylphenol	170	170 U	170 UJ		UG/KG	J
069SB-0050-0001-SO	240-49085-22	SO	N	Fluoranthene	7.8	3.9 J	3.9 J		UG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	Hexachlorocyclopentadiene	380	380 U	380 UJ	-	UG/KG	C/J
069SB-0050-0001-SO	240-49085-22	SO	N	Pentachlorophenol	170	170 U	170 UJ		UG/KG	J
069SB-0050-0001-SO	240-49085-22	SO	N	Phenanthrene	7.8	6.2 J	6.2 J		UG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	Pyrene	7.8	3.9 J	3.9 J		UG/KG	TR
069SB-0062-0001-SO	240-49085-34	SO	N	2,4,6-Trichlorophenol	170	170 U	170 UJ		UG/KG	m
069SB-0062-0001-SO	240-49085-34	SO	N	2,4-Dinitrophenol	380	380 U	380 UJ		UG/KG	J
069SB-0062-0001-SO	240-49085-34	SO	N	4,6-Dinitro-2-methylphenol	170	170 U	170 UJ		UG/KG	J
069SB-0062-0001-SO	240-49085-34	SO	N	Hexachlorocyclopentadiene	380	380 U	380 UJ	-	UG/KG	C/J
069SB-0062-0001-SO	240-49085-34	SO	N	Pentachlorophenol	170	170 U	170 UJ		UG/KG	J

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

Test Method: SW6020		Extraction Method: SW3050B			Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason	
069SB-0036-0001-SO	240-49085-8	SO	N	50	Aluminum	590	6600 D	6600	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Arsenic	1.2	22.0 D	22.0	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Barium	1.2	31.0 D	31.0	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Beryllium	0.23	0.34 D	0.34	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Cadmium	0.47	0.13 J D	0.13 J	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Calcium	470	5100 D	5100	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Chromium	1.2	10.0 D	10.0 J	MG/KG	J	
069SB-0036-0001-SO	240-49085-8	SO	N	2	Cobalt	0.23	7.9 D	7.9	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Copper	0.94	20.0 D	20.0	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	50	Iron	2900	28000 D	28000	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Lead	0.70	11.0 D	11.0	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Magnesium	230	4200 D	4200	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Manganese	1.2	420 D	420	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Nickel	1.2	18.0 D	18.0	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Potassium	230	990 D	990	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Selenium	1.2	0.66 J D	0.66 J	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Silver	0.23	0.020 J D	0.020 J	MG/KG	TR	
069SB-0036-0001-SO	240-49085-8	SO	N	2	Sodium	230	76.0 J D	76.0 J	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Thallium	0.47	0.12 J D	0.12 J	MG/KG	TR	
069SB-0036-0001-SO	240-49085-8	SO	N	2	Vanadium	1.2	11.0 D	11.0	MG/KG		
069SB-0036-0001-SO	240-49085-8	SO	N	2	Zinc	9.4	53.0 D	53.0	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	50	Aluminum	530	9400 D	9400	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Arsenic	1.1	15.0 D	15.0	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Barium	1.1	36.0 D	36.0	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Beryllium	0.21	0.46 D	0.46	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Cadmium	0.42	0.13 J D	0.13 J	MG/KG	TR	
069SB-0043-0001-SO	240-49085-15	SO	N	2	Calcium	420	7000 D	7000	MG/KG		

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Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

Test Method: SW6020		Extraction Method: SW3050B			Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason	
069SB-0043-0001-SO	240-49085-15	SO	N	2	Chromium	1.1	14.0 D	14.0 J	MG/KG	J	
069SB-0043-0001-SO	240-49085-15	SO	N	2	Cobalt	0.21	9.9 D	9.9	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Copper	0.85	21.0 D	21.0	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	50	Iron	2600	30000 D	30000	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Lead	0.63	11.0 D	11.0	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	50	Magnesium	5300	6700 D	6700	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Manganese	1.1	220 D	220	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Nickel	1.1	24.0 D	24.0	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Potassium	210	1300 D	1300	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Selenium	1.1	0.80 J D	0.80 J	MG/KG	TR	
069SB-0043-0001-SO	240-49085-15	SO	N	2	Silver	0.21	0.021 J D	0.021 J	MG/KG	TR	
069SB-0043-0001-SO	240-49085-15	SO	N	2	Sodium	210	73.0 J D	73.0 J	MG/KG	TR	
069SB-0043-0001-SO	240-49085-15	SO	N	2	Thallium	0.42	0.12 J D	0.12 J	MG/KG	TR	
069SB-0043-0001-SO	240-49085-15	SO	N	2	Vanadium	1.1	14.0 D	14.0	MG/KG		
069SB-0043-0001-SO	240-49085-15	SO	N	2	Zinc	8.5	61.0 D	61.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	50	Aluminum	490	10000 D	10000	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Arsenic	0.98	16.0 D	16.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Barium	0.98	43.0 D	43.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Beryllium	0.20	0.57 D	0.57	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Cadmium	0.39	0.12 J D	0.12 J	MG/KG	TR	
069SB-0050-0001-SO	240-49085-22	SO	N	2	Calcium	390	5300 D	5300	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Chromium	0.98	15.0 D	15.0 J	MG/KG	J	
069SB-0050-0001-SO	240-49085-22	SO	N	2	Cobalt	0.20	11.0 D	11.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Copper	0.78	18.0 D	18.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	50	Iron	2400	32000 D	32000	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Lead	0.59	12.0 D	12.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	50	Magnesium	4900	6500 D	6500	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Manganese	0.98	330 D	330	MG/KG		

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Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

Test Method: SW6020		Extraction Method: SW3050B			Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason	
069SB-0050-0001-SO	240-49085-22	SO	N	2	Nickel	0.98	28.0 D	28.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Potassium	200	1600 D	1600	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Selenium	0.98	0.80 J D	0.80 J	MG/KG	TR	
069SB-0050-0001-SO	240-49085-22	SO	N	2	Silver	0.20	0.023 J D	0.023 J	MG/KG	TR	
069SB-0050-0001-SO	240-49085-22	SO	N	2	Sodium	200	66.0 J D	66.0 J	MG/KG	TR	
069SB-0050-0001-SO	240-49085-22	SO	N	2	Thallium	0.39	0.13 J D	0.13 J	MG/KG	TR	
069SB-0050-0001-SO	240-49085-22	SO	N	2	Vanadium	0.98	14.0 D	14.0	MG/KG		
069SB-0050-0001-SO	240-49085-22	SO	N	2	Zinc	7.8	59.0 D	59.0	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Aluminum	20.0	8000 D	8000	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Arsenic	1.0	15.0 D	15.0	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Barium	1.0	40.0 D	40.0	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Beryllium	0.20	0.45 D	0.45	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Calcium	410	10000 D	10000	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Chromium	1.0	13.0 D	13.0 J	MG/KG	J	
069SB-0062-0001-SO	240-49085-34	SO	N	2	Cobalt	0.20	9.3 D	9.3	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Copper	0.81	17.0 D	17.0	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	50	Iron	2500	28000 D	28000	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Lead	0.61	9.3 D	9.3	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Magnesium	200	5500 D	5500	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Manganese	1.0	320 D	320	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Nickel	1.0	23.0 D	23.0	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Potassium	200	1200 D	1200	MG/KG		
069SB-0062-0001-SO	240-49085-34	SO	N	2	Selenium	1.0	0.73 J D	0.73 J	MG/KG	TR	
069SB-0062-0001-SO	240-49085-34	SO	N	2	Silver	0.20	0.018 J D	0.018 J	MG/KG	TR	
069SB-0062-0001-SO	240-49085-34	SO	N	2	Sodium	200	59.0 J D	59.0 J	MG/KG	TR	
069SB-0062-0001-SO	240-49085-34	SO	N	2	Thallium	0.41	0.13 J D	0.13 J	MG/KG	TR	
069SB-0062-0001-SO	240-49085-34	SO	N	2	Vanadium	1.0	13.0 D	13.0	MG/KG		

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Ravenna Army Ammunition Plant

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Detected Results

Test Method: SW6020			Extraction Method: SW3050B			Leach Method: NONE				
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0062-0001-SO	240-49085-34	SO	N	2	Zinc	8.1	54.0 D	54.0	MG/KG	

Test Method: SW8270C			Extraction Method: SW3550			Leach Method: NONE				
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0036-0001-SO	240-49085-8	SO	N	1	Benzoic acid	830	130 J M	130 J	UG/KG	TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Benzo(a)anthracene	7.8	7.6 J	7.6 J	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Benzo(a)pyrene	7.8	6.6 J M	6.6 J	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Benzo(b)fluoranthene	7.8	12.0	12.0 J	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	1	Benzo(g,h,i)perylene	7.8	6.0 J M	6.0 J	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Benzo(k)fluoranthene	7.8	4.0 J M	4.0 J	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	bis(2-Ethylhexyl) phthalate	82.0	25.0 J	25.0 J	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Chrysene	7.8	9.1	9.1 J	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	1	Fluoranthene	7.8	15.0	15.0 J	UG/KG	I
069SB-0043-0001-SO	240-49085-15	SO	N	1	Phenanthrene	7.8	6.6 J	6.6 J	UG/KG	I/TR
069SB-0043-0001-SO	240-49085-15	SO	N	1	Pyrene	7.8	12.0	12.0 J	UG/KG	I
069SB-0050-0001-SO	240-49085-22	SO	N	1	Fluoranthene	7.8	3.9 J	3.9 J	UG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	1	Phenanthrene	7.8	6.2 J	6.2 J	UG/KG	TR
069SB-0050-0001-SO	240-49085-22	SO	N	1	Pyrene	7.8	3.9 J	3.9 J	UG/KG	TR

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Ravenna Army Ammunition Plant

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Rejected Results

--No Records Found--

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Anomalies Count

Test/Extraction Method/Leach	Field Samples Outside of Compliance	Analytes Outside of Compliance
E353.2/METHOD/NONE	4	4
SW6020/SW3050B/NONE	4	68
SW7471A/TOTAL/NONE	4	4
SW8081/SW3540C/NONE	4	80
SW8082/SW3540C/NONE	4	28
SW8270C/SW3550/NONE	4	17

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

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Ravenna Army Ammunition Plant

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Review Questions

Method: E353.2

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			NC at 1.07 mg/kg
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the MRL recoveries within 70-130% limits?	•			
Was a duplicate sample prepared and analyzed with each batch?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were the MS/MSD recoveries and RPDs within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?			•	
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?			•	

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

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Review Questions

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?	•			All metals except Ca, Fe, Mn, Ag, Zn, and Tl were detected in the MB. Samples qualified based upon the 5x rule. As and Cd qualified. Low level detects below the FWCUG and background metal levels
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Was an Interference Check Standard (ICS) run at the beginning and end of every run?	•			
Was the ICS recovery within QAPP acceptance limits?	•			
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the MRL recoveries within 70-130% limits?		•		Chromium was high
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were the MS/MSD within QAPP acceptance limits?			•	
Was a post digestion spike needed and if so was it within QAPP acceptance limits?			•	
Was a serial dilution prepared and analyzed with each batch?			•	
Was the serial dilution within QAPP acceptance limits?			•	
Were sample concentrations within calibration range?	•			

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW6020

Review Questions	Yes	No	NA	Comment
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	.			
Are all samples associated with QC non-compliances flagged appropriately?			.	
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?			.	Tunes were in limits.

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW7471A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?				•
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?				•
Were ICV/CCV results within QAPP acceptance limits?				•
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?				•
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?				•
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Were the MRL recoveries within 70-130% limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8081

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) ?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =15%)?	•			
Was a CCV(s) run at the proper frequency?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =15%)?		•		Primary CCV Endosulfate II and heptachlortalining CCV out for several pesticides.
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?	•			
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?		•		
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			
Were the MRL recoveries within 70-130% limits?				
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)	•			
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?	•			
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8081

Review Questions	Yes	No	NA	Comment
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			Sample #22 dual column RPD> 90% for Encrin Aldehyde and Endosulfan Sulfate. RT shigts also. Analytes not reported on both columns . these detections are qualified as Non-detect
Were sample prepration sheets present and filled out appropriately?			•	
Were instrument run logs present and filled out appropriately?			•	

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8082

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) ?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =15%)?	•			
Was a CCV(s) run at the proper frequency?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =15%)?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			
Were the MRL recoveries within 70-130% limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Were the Breakdown products within QAPP acceptance limits?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8082

Review Questions	Yes	No	NA	Comment
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For non-aqueous sample, did the sample have a Percent Moisture less than 70.0%?	•			
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Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
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Were sample preparation sheets present and filled out appropriately?			•	
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Were instrument run logs present and filled out appropriately?			•	
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Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	.			
Were samples preserved properly and received in good condition?	.			
Were holding times met?	.			
Were sample receipt temperatures met?	.			
Were QAPP specified PQLs achieved?	.			
Were all QAPP-specified target analytes reported?	.			
Was the GC/MS system properly tuned based on method criteria?	.			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	.			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	.			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	.			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	.			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	.			
If a linear regression curve was used, was the correlation coefficient within criteria?	.			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	.			
Was a CCV(s) run at the proper frequency?	.			
Was the CCV a mid-level standard from the initial calibration curve?	.			
Did the CCCs have a %Difference within QAPP acceptance limits?	.			
Were the average RFs for the SPCCs within QAPP acceptance limits?	.			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	.			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	.			
Were the retention times for all IS compounds within QAPP acceptance limits?	.			
Are the area counts of all IS compounds within QAPP acceptance limits?	.			
Was a method blank prepared and analyzed with each batch?	.			
Were target analytes detected in the method blank above the MDL?	.			

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Was a field blank (equipment or trip) collected and analyzed at the required frequency?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were the LCS/LCSD recoveries within QAPP acceptance limits?		•		Hexacyclopentadiene low
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
Were the MRL recoveries within 70-130% limits?		•		4,6 dinitro-2-MP, 2,4 Dinitrophenol, hexachloropentadiene, and PCP had low MRL
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?		•		MS %R low for 2,4,5 Trichlorophenol
Were surrogate recoveries within QAPP acceptance limits?		•		#15 low recovery for one surrogate
Were reported sample concentrations within calibration range?	•			
For non-aqueous sample, did the sample have a Percent Moisture less than 70.0%?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?			•	
Were sample preparation sheets present and filled out appropriately?			•	

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) ?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?	•			
Was a CCV(s) run at the proper frequency?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =20%)?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			
Were the MRL recoveries within 70-130% limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?	•			
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?	•			
Did PDA spectra for reported compounds match associated standard spectra?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Automated Data Review Detail Report for 240-49085-2

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8330B

Review Questions	Yes	No	NA	Comment
For non-aqueous sample, did the sample have a Percent Moisture less than 70.0%?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were sample preparation sheets present and filled out appropriately?			•	
Were instrument run logs present and filled out appropriately?			•	

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WORKSHEET 7

Automated Data Review Summary for 240-50056-1

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Facility: Ravenna Army Ammunition Plant
 Event: Spring 2015
 Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
 Contract Laboratory: TestAmerica Laboratories, Inc., North Canton, OH
 Field Contractor: Environmental Chemical Corporation, Marlborough, MA
 Data Review Contractor: ECC
 SDG: 240-50056-1_Erp_Synectics_ChemLab_Mmr, Certified - 5/15/2015 by frederickroche
 QC Level: ADR
 Project Manager: Pam Foti
 Data Reviewer: Veronica Champagne
 Data Reviewer Title: Associate Environmental Scientist
 Date of Review Report: May 15, 2015
 Second Reviewer:
 Completion Date of Second Reviewer:

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW8260B/NONE	21	3	2	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Marlborough, MA; analyses were performed by TestAmerica Laboratories, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-50056-1_Erp_Synectics_ChemLab_Mmr. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Surrogate
- Blank - Negative
- Test Hold Time
- MS RPD
- LCS Recovery
- Blank
- MS Recovery
- Prep Hold Time
- Field Duplicate RPD

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Calibration Blank - Negative
- LCS RPD
- Ambient Blank
- Initial Calibration Verification
- Equipment Blank
- Trip Blank
- Field Blank
- Lab Replicate RPD
- Continuing Calibration Verification
- Calibration Blank
- Material Blank

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 224 results (23.93%) out of the 936 results (sample and field QC samples) reported are qualified based on review and 72 results (7.69%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
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SW8260B	
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Reviewed by Veronica Champagne, Associate Environmental Scientist

Qualified Results

Test Method: SW8260B		Extraction Method: SW5030B		Leach Method: NONE		Matrix: WG		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0088-0001-TB	N	Acetone	10.0	7.9 J	7.9 J		UG/L	TR
069SB-0088-0001-TB	N	Carbon disulfide	1.0	1.0 U	1.0 UJ		UG/L	V1
069SB-0088-0001-TB	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0089-0001-TB	N	Acetone	10.0	8.5 J	8.5 J		UG/L	TR
069SB-0089-0001-TB	N	Carbon disulfide	1.0	1.0 U	1.0 UJ		UG/L	V1
069SB-0089-0001-TB	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0090-0001-RB	N	Acetone	10.0	1.5 J	1.5 J		UG/L	TR
069SB-0090-0001-RB	N	Carbon disulfide	1.0	1.0 U	1.0 UJ		UG/L	V1
069SB-0090-0001-RB	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0063-0001-SO	N	Acetone	850	850 U	850 UJ		UG/KG	V1/G1
069SB-0063-0001-SO	N	Methylene chloride	250	250 B	250 U	+	UG/KG	L
069SB-0063-0001-SO	N	Styrene	210	9.7 J	210 U	+	UG/KG	L
069SB-0064-0001-SO	N	Acetone	810	810 U	810 UJ		UG/KG	V1/G1
069SB-0064-0001-SO	N	Methylene chloride	220	220 B	220 U	+	UG/KG	L
069SB-0064-0001-SO	N	Styrene	200	8.3 J	200 U	+	UG/KG	L
069SB-0065-0001-SO	N	1,1,1-Trichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,1,2,2-Tetrachloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,1,2-Trichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,1-Dichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,1-Dichloroethene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,2-Dibromoethane (EDB)	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,2-Dichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,2-Dichloroethene	390	390 U	390 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	1,2-Dichloropropane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	2-Butanone (MEK)	790	790 U	790 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	2-Hexanone	790	790 U	790 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	4-Methyl-2-pentanone (MIBK)	790	790 U	790 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Acetone	790	790 U	790 UJ	-	UG/KG	I/V1/G1
069SB-0065-0001-SO	N	Benzene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Bromochloromethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Bromodichloromethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Bromoform	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Bromomethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Carbon disulfide	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Carbon tetrachloride	200	3200	3200 J	-	UG/KG	I
069SB-0065-0001-SO	N	Chlorobenzene	200	200 U	200 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0065-0001-SO	N	Chloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Chloroform	200	530	530 J	-	UG/KG	I
069SB-0065-0001-SO	N	Chloromethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	cis-1,3-Dichloropropene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Dibromochloromethane	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Ethylbenzene	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Methyl tert-butyl ether (MTBE)	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Methylene chloride	220	220 B	220 UJ		UG/KG	L/I
069SB-0065-0001-SO	N	Styrene	200	12.0 J Q	200 UJ		UG/KG	L/I
069SB-0065-0001-SO	N	Tetrachloroethene (PCE)	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Toluene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	trans-1,3-Dichloropropene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Trichloroethene (TCE)	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Vinyl chloride	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	N	Xylenes, Total	390	390 U Q	390 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,1,1-Trichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,1,2,2-Tetrachloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,1,2-Trichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,1-Dichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,1-Dichloroethene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,2-Dibromoethane (EDB)	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,2-Dichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,2-Dichloroethene	460	460 U	460 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	1,2-Dichloropropane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	2-Butanone (MEK)	920	920 U	920 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	2-Hexanone	920	920 U	920 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	4-Methyl-2-pentanone (MIBK)	920	920 U	920 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Acetone	920	920 U	920 UJ	-	UG/KG	I/V1/G1
069SB-0068-0001-SO	N	Benzene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Bromochloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Bromodichloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Bromoform	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Bromomethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Carbon disulfide	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Carbon tetrachloride	230	4900	4900 J	-	UG/KG	I
069SB-0068-0001-SO	N	Chlorobenzene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Chloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Chloroform	230	170 J	170 J	-	UG/KG	I/TR
069SB-0068-0001-SO	N	Chloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	cis-1,3-Dichloropropene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Dibromochloromethane	230	230 U	230 UJ	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0068-0001-SO	N	Ethylbenzene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Methyl tert-butyl ether (MTBE)	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Methylene chloride	280	280 B	280 U		UG/KG	L
069SB-0068-0001-SO	N	Styrene	230	12.0 J	230 UJ		UG/KG	L/I
069SB-0068-0001-SO	N	Tetrachloroethene (PCE)	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Toluene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	trans-1,3-Dichloropropene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Trichloroethene (TCE)	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Vinyl chloride	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	N	Xylenes, Total	460	460 U	460 UJ	-	UG/KG	I
069SB-0069-0001-SO	N	1,1,2,2-Tetrachloroethane	4.4	4.4 U Q J	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	1,1,2-Trichloroethane	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	1,2-Dibromoethane (EDB)	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	2-Hexanone	17.0	17.0 U Q	17.0 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	4-Methyl-2-pentanone (MIBK)	17.0	17.0 U Q	17.0 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	Acetone	17.0	12.0 J	17.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0069-0001-SO	N	Bromoform	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	Carbon tetrachloride	4.4	0.86 J	0.86 J	+	UG/KG	I/TR
069SB-0069-0001-SO	N	Chlorobenzene	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	Chloroform	4.4	0.33 J	0.33 J	+	UG/KG	I/TR
069SB-0069-0001-SO	N	Dibromochloromethane	4.4	4.4 U Q	4.4 UJ	-	UG/KG	J/S
069SB-0069-0001-SO	N	Ethylbenzene	4.4	0.38 Q J	0.38 J		UG/KG	I/TR/S
069SB-0069-0001-SO	N	Methylene chloride	5.7	5.7 B J	5.7 U	+	UG/KG	L
069SB-0069-0001-SO	N	Styrene	4.4	4.4 U Q J	4.4 UJ	-	UG/KG	M/S
069SB-0069-0001-SO	N	Tetrachloroethene (PCE)	4.4	4.4 U Q J	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	N	Toluene	4.4	0.24 Q J	0.24 J		UG/KG	I/TR/S
069SB-0069-0001-SO	N	trans-1,3-Dichloropropene	4.4	4.4 U Q	4.4 UJ	-	UG/KG	J/S
069SB-0069-0001-SO	N	Xylenes, Total	8.7	8.7 U Q	8.7 UJ	-	UG/KG	S
069SB-0070-0001-SO	N	Acetone	19.0	11.0 J	19.0 UJ	+	UG/KG	T/V1/G1
069SB-0070-0001-SO	N	Methylene chloride	4.8	3.8 J	3.8 J	+	UG/KG	TR/J
069SB-0071-0001-SO	N	2-Butanone (MEK)	16.0	2.3 J	2.3 J		UG/KG	TR
069SB-0071-0001-SO	N	Acetone	18.0	18.0	18.0 UJ	+	UG/KG	T/V1/G1
069SB-0071-0001-SO	N	Methylene chloride	4.1	6.0	6.0 J	+	UG/KG	J
069SB-0072-0001-SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1
069SB-0072-0001-SO	N	Methylene chloride	4.4	2.2 J	2.2 J	+	UG/KG	TR/J
069SB-0073-0001-SO	N	Acetone	15.0	6.5 J	15.0 UJ	+	UG/KG	T/V1/G1
069SB-0073-0001-SO	N	Methylene chloride	3.9	3.1 J	3.1 J	+	UG/KG	TR/J
069SB-0074-0001-SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1
069SB-0074-0001-SO	N	Methylene chloride	4.3	4.0 J	4.0 J	+	UG/KG	TR/J
069SB-0075-0001-SO	N	Acetone	15.0	15.0 U	15.0 UJ		UG/KG	V1/G1
069SB-0075-0001-SO	N	Methylene chloride	3.7	3.0 J	3.0 J	+	UG/KG	TR/J

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0076-0001-SO	N	Acetone	16.0	8.7 J	16.0 UJ	+	UG/KG	T/V1/G1
069SB-0076-0001-SO	N	Methylene chloride	3.9	10.0	10.0 J	+	UG/KG	J
069SB-0077-0001-SO	N	Acetone	19.0	10.0 J	19.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0077-0001-SO	N	Dibromochloromethane	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0077-0001-SO	N	Methylene chloride	5.5	5.5 B	5.5 U	+	UG/KG	L
069SB-0077-0001-SO	N	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0078-0001-SO	FD	Acetone	18.0	17.0 J	18.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0078-0001-SO	FD	Dibromochloromethane	4.6	4.6 U	4.6 UJ	-	UG/KG	J
069SB-0078-0001-SO	FD	Methylene chloride	7.3	7.3 B	7.3 U	+	UG/KG	L
069SB-0078-0001-SO	FD	trans-1,3-Dichloropropene	4.6	4.6 U	4.6 UJ	-	UG/KG	J
069SB-0079-0001-SO	N	Acetone	18.0	18.0 U	18.0 UJ		UG/KG	V1/G1/V3
069SB-0079-0001-SO	N	Dibromochloromethane	4.4	4.4 U	4.4 UJ	-	UG/KG	J
069SB-0079-0001-SO	N	Methylene chloride	4.4	3.1 J B	4.4 U	+	UG/KG	L
069SB-0079-0001-SO	N	trans-1,3-Dichloropropene	4.4	4.4 U	4.4 UJ	-	UG/KG	J
069SB-0080-0001-SO	N	Acetone	16.0	7.7 J	16.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0080-0001-SO	N	Dibromochloromethane	4.0	4.0 U	4.0 UJ	-	UG/KG	J
069SB-0080-0001-SO	N	Methylene chloride	5.9	5.9 B	5.9 U	+	UG/KG	L
069SB-0080-0001-SO	N	trans-1,3-Dichloropropene	4.0	4.0 U	4.0 UJ	-	UG/KG	J
069SB-0081-0001-SO	N	Acetone	16.0	16.0 U	16.0 UJ		UG/KG	V1/G1/V3
069SB-0081-0001-SO	N	Dibromochloromethane	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0081-0001-SO	N	Methylene chloride	4.3	4.3 B	4.3 U	+	UG/KG	L
069SB-0081-0001-SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0082-0001-SO	N	1,1,1-Trichloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,1,2,2-Tetrachloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,1,2-Trichloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,1-Dichloroethane	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,1-Dichloroethene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,2-Dibromoethane (EDB)	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,2-Dichloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,2-Dichloroethene	8.7	8.7 U	8.7 R	-	UG/KG	I
069SB-0082-0001-SO	N	1,2-Dichloropropane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	2-Butanone (MEK)	17.0	17.0 U	17.0 R	-	UG/KG	I
069SB-0082-0001-SO	N	2-Hexanone	17.0	17.0 U	17.0 R	-	UG/KG	I
069SB-0082-0001-SO	N	4-Methyl-2-pentanone (MIBK)	17.0	17.0 U Q	17.0 R	-	UG/KG	I
069SB-0082-0001-SO	N	Acetone	17.0	17.0 U Q	17.0 R	-	UG/KG	I/V1/G1/V3
069SB-0082-0001-SO	N	Benzene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Bromochloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Bromodichloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Bromoform	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Bromomethane	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Carbon disulfide	4.4	4.4 U	4.4 R	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0082-0001-SO	N	Carbon tetrachloride	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Chlorobenzene	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Chloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Chloroform	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Chloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	cis-1,3-Dichloropropene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Dibromochloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I/J
069SB-0082-0001-SO	N	Ethylbenzene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Methyl tert-butyl ether (MTBE)	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Methylene chloride	4.4	3.3 J Q B	4.4 R		UG/KG	L/I
069SB-0082-0001-SO	N	Styrene	4.4	4.4 U Q	4.4 R		UG/KG	I
069SB-0082-0001-SO	N	Tetrachloroethene (PCE)	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Toluene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	trans-1,3-Dichloropropene	4.4	4.4 U Q	4.4 R	-	UG/KG	I/J
069SB-0082-0001-SO	N	Trichloroethene (TCE)	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Vinyl chloride	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	N	Xylenes, Total	8.7	8.7 U Q	8.7 R	-	UG/KG	I
069SB-0083-0001-SO	FD	1,1,1-Trichloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	1,1,2,2-Tetrachloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	1,1,2-Trichloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	1,1-Dichloroethane	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	1,1-Dichloroethene	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	1,2-Dibromoethane (EDB)	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	1,2-Dichloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	1,2-Dichloroethene	13.0	13.0 U	13.0 R	-	UG/KG	I
069SB-0083-0001-SO	FD	1,2-Dichloropropane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	2-Butanone (MEK)	26.0	26.0 U	26.0 R	-	UG/KG	I
069SB-0083-0001-SO	FD	2-Hexanone	26.0	26.0 U Q	26.0 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	4-Methyl-2-pentanone (MIBK)	26.0	26.0 U Q	26.0 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	Acetone	32.0	32.0 Q	32.0 R		UG/KG	T/I/V1/G1/V3
069SB-0083-0001-SO	FD	Benzene	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Bromochloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Bromodichloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Bromoform	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	Bromomethane	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Carbon disulfide	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Carbon tetrachloride	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Chlorobenzene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	Chloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Chloroform	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Chloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE		Matrix: SO		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0083-0001-SO	FD	cis-1,3-Dichloropropene	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Dibromochloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I/J/S
069SB-0083-0001-SO	FD	Ethylbenzene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	Methyl tert-butyl ether (MTBE)	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Methylene chloride	32.0	12.0 Q B	32.0 R		UG/KG	L/I
069SB-0083-0001-SO	FD	Styrene	6.5	6.5 U Q	6.5 R		UG/KG	I/S
069SB-0083-0001-SO	FD	Tetrachloroethene (PCE)	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	Toluene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	FD	trans-1,3-Dichloropropene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/J/S
069SB-0083-0001-SO	FD	Trichloroethene (TCE)	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Vinyl chloride	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	FD	Xylenes, Total	13.0	13.0 U Q	13.0 R	-	UG/KG	I/S
069SB-0084-0001-SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1/V3
069SB-0084-0001-SO	N	Dibromochloromethane	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0084-0001-SO	N	Methylene chloride	4.1	3.4 J B	4.1 U	+	UG/KG	L
069SB-0084-0001-SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0085-0001-SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1/V3
069SB-0085-0001-SO	N	Dibromochloromethane	4.3	4.3 U	4.3 UJ	-	UG/KG	J
069SB-0085-0001-SO	N	Methylene chloride	4.3	3.6 J B	4.3 U	+	UG/KG	L
069SB-0085-0001-SO	N	trans-1,3-Dichloropropene	4.3	4.3 U	4.3 UJ	-	UG/KG	J
069SB-0086-0001-SO	N	Acetone	16.0	16.0 U	16.0 UJ		UG/KG	V1/G1/V3
069SB-0086-0001-SO	N	Dibromochloromethane	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0086-0001-SO	N	Methylene chloride	5.4	5.4 B	5.4 U	+	UG/KG	L
069SB-0086-0001-SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0087-0001-SO	N	Acetone	16.0	11.0 J	16.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0087-0001-SO	N	Dibromochloromethane	4.0	4.0 U	4.0 UJ	-	UG/KG	J
069SB-0087-0001-SO	N	Methylene chloride	4.0	2.7 J B	4.0 U	+	UG/KG	L
069SB-0087-0001-SO	N	trans-1,3-Dichloropropene	4.0	4.0 U	4.0 UJ	-	UG/KG	J

Reason Code Definitions

Code	Definition
G1	Initial Calibration RRF
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
L	Lab Blank
M	MS Recovery
S	Internal standard
T	Trip Blank
TR	Trace Level Detect
V1	ICV
V3	CCV RRF

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: SW8260B Analysis Batch: 179365

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	LCS2401793654		1/1	5/5/2015 11:11	5/5/2015 11:11	5/5/2015 11:11	179365/	BS
LABQC	WQ	LABQC	MB2401793656		1/1	5/5/2015 11:56	5/5/2015 11:56	5/5/2015 11:56	179365/	LB
69-1048-SB101	WG	069SB-0088-0001-TB	240-50056-14		1/1	4/29/2015 08:00	5/5/2015 12:58	5/5/2015 12:58	179365/	N
69-1048-SB106	WG	069SB-0089-0001-TB	240-50056-15		1/1	4/29/2015 08:00	5/5/2015 13:20	5/5/2015 13:20	179365/	N
69-1048-SB107	WG	069SB-0090-0001-RB	240-50056-16		1/1	4/30/2015 08:00	5/5/2015 13:43	5/5/2015 13:43	179365/	N

Test Method: SW8260B Analysis Batch: 179743

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	LCS2401797437		1/1	5/7/2015 12:41		5/7/2015 12:41	/	BS
LABQC	SQ	LABQC	LCS2401794762A		1/1	5/5/2015 22:32	5/5/2015 22:32	5/7/2015 15:32	179476/	BS
LABQC	SQ	LABQC	MB2401794761A		1/1	5/5/2015 22:32	5/5/2015 22:32	5/7/2015 15:53	179476/	LB
69-1048-SB101	SO	069SB-0063-0001-SO	240-50056-1		1/1	4/29/2015 11:08	5/5/2015 22:32	5/7/2015 16:15	179476/	N
69-1048-SB101	SO	069SB-0064-0001-SO	240-50056-2		1/1	4/29/2015 11:10	5/5/2015 22:32	5/7/2015 16:36	179476/	N
69-1048-SB101	SO	069SB-0065-0001-SO	240-50056-3		1/1	4/29/2015 11:17	5/5/2015 22:32	5/7/2015 16:58	179476/	N
69-1048-SB104	SO	069SB-0068-0001-SO	240-50056-4		1/1	4/29/2015 12:10	5/5/2015 22:32	5/7/2015 17:20	179476/	N
LABQC	SQ	LABQC	MB2401795842A		1/1	5/6/2015 12:21	5/6/2015 12:21	5/7/2015 17:42	179584/	LB
69-1048-SB106	SO	069SB-0070-0001-SO	240-50056-7		1/1	4/29/2015 12:40	4/30/2015 19:00	5/7/2015 19:10	179584/	N
69-1048-SB106	SO	069SB-0071-0001-SO	240-50056-8		1/1	4/29/2015 12:43	4/30/2015 19:00	5/7/2015 19:32	179584/	N
69-1048-SB106	SO	069SB-0072-0001-SO	240-50056-9		1/1	4/29/2015 12:46	4/30/2015 19:00	5/7/2015 19:54	179584/	N
69-1048-SB106	SO	069SB-0073-0001-SO	240-50056-10		1/1	4/29/2015 13:20	4/30/2015 19:00	5/7/2015 20:15	179584/	N
69-1048-SB107	SO	069SB-0074-0001-SO	240-50056-11		1/1	4/29/2015 13:33	4/30/2015 19:00	5/7/2015 20:37	179584/	N
69-1048-SB107	SO	069SB-0075-0001-SO	240-50056-12		1/1	4/29/2015 13:35	4/30/2015 19:00	5/7/2015 20:58	179584/	N

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: SW8260B		Analysis Batch: 179743								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB107	SO	069SB-0076-0001-SO	240-50056-13		1/1	4/29/2015 13:38	4/30/2015 19:00	5/7/2015 21:20	179584/	N

Test Method: SW8260B		Analysis Batch: 179907								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	SQ	LABQC	LCS2401799077		1/1	5/8/2015 12:34		5/8/2015 12:34	/	BS
LABQC	SQ	LABQC	MB2401799078		1/1	5/8/2015 12:56		5/8/2015 12:56	/	LB
69-1048-SB104	SO	069SB-0069-0001-SO	240-50056-5		1/1	4/29/2015 12:15	4/30/2015 19:00	5/8/2015 13:39	179584/	N
69-1048-SB104	SO	069SB-0069-0002-SO	240-50056-5		1/1	4/29/2015 12:15	4/30/2015 19:00	5/8/2015 14:00	179584/	MS
69-1048-SB104	SO	069SB-0069-0002-SO	240-50056-5		1/1	4/29/2015 12:15	4/30/2015 19:00	5/8/2015 14:00	179584/	SD
69-1048-SB104	SO	069SB-0069-0002-SO	240-50056-5		1/1	4/29/2015 12:15	4/30/2015 19:00	5/8/2015 14:22	179584/	MS
69-1048-SB104	SO	069SB-0069-0002-SO	240-50056-5		1/1	4/29/2015 12:15	4/30/2015 19:00	5/8/2015 14:22	179584/	SD
69-1048-SB107	SO	069SB-0077-0001-SO	240-50056-17		1/1	4/29/2015 13:43	4/30/2015 19:00	5/8/2015 14:43	179584/	N
69-1048-SB107	SO	069SB-0078-0001-SO	240-50056-18		1/1	4/29/2015 00:00	4/30/2015 19:00	5/8/2015 15:05	179584/	FD
69-1048-SB108	SO	069SB-0079-0001-SO	240-50056-19		1/1	4/29/2015 14:00	4/30/2015 19:00	5/8/2015 15:26	179584/	N
69-1048-SB108	SO	069SB-0080-0001-SO	240-50056-20		1/1	4/29/2015 14:03	4/30/2015 19:00	5/8/2015 15:48	179584/	N
69-1048-SB108	SO	069SB-0081-0001-SO	240-50056-21		1/1	4/29/2015 14:07	4/30/2015 19:00	5/8/2015 16:09	179584/	N
69-1048-SB109	SO	069SB-0084-0001-SO	240-50056-24		1/1	4/29/2015 14:20	4/30/2015 19:00	5/8/2015 17:14	179584/	N
69-1048-SB109	SO	069SB-0085-0001-SO	240-50056-25		1/1	4/29/2015 14:23	4/30/2015 19:00	5/8/2015 17:35	179584/	N
69-1048-SB109	SO	069SB-0086-0001-SO	240-50056-26		1/1	4/29/2015 14:27	4/30/2015 19:00	5/8/2015 17:57	179584/	N
69-1048-SB109	SO	069SB-0087-0001-SO	240-50056-27		1/1	4/29/2015 14:35	4/30/2015 19:00	5/8/2015 18:18	179584/	N
69-1048-SB108	SO	069SB-0082-0001-SO	240-50056-22		1/1	4/29/2015 14:10	4/30/2015 19:00	5/8/2015 19:44	179584/	N

Automated Data Review Detail Report for 240-50056-1_Erp_Synecotics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: SW8260B		Analysis Batch: 179907								
Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
69-1048-SB108	SO	069SB-0083-0001-SO	240-50056-23		1/1	4/29/2015 00:00	4/30/2015 19:00	5/8/2015 20:05	179584/	FD

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Field Batch Report

--No Records Found--

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

QC Outlier Report

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE							
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	MB2401794761A (LB) / MB2401794761A	1 / 1.00	Styrene	16.2 (UG/KG)	U/None	< 5.6	< 250	L		1	16.2
Blank	MB2401794761A (LB) / MB2401794761A	1 / 1.00	Methylene chloride	268 (UG/KG)	U/None	< 77	< 250	L		2	536
Blank	MB2401799078 (LB) / MB2401799078	1 / 1.00	Styrene	0.157 (UG/KG)	U/None	< 0.15	< 5	L		1	0.157
Blank	MB2401799078 (LB) / MB2401799078	1 / 1.00	Methylene chloride	3.35 (UG/KG)	U/None	< 0.67	< 5	L		2	6.70
MS Recovery	069SB-0069-0002-SO (MS) / 240-50056-5	1 / 1.00	1,1,2,2-Tetrachloroethane	139 (Percent)	J/None	55 - 130	55 - 130	M			
MS Recovery	069SB-0069-0002-SO (SD) / 240-50056-5	1 / 1.00	1,1,2,2-Tetrachloroethane	175 (Percent)	J/None	55 - 130	55 - 130	M			
MS Recovery	069SB-0069-0002-SO (SD) / 240-50056-5	1 / 1.00	Styrene	73.5 (Percent)	J/UJ	75 - 125	75 - 125	M			
Surrogate	069SB-0065-0001-SO (N) / 240-50056-3	1 / 1.00	Toluene-d8	81.2 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0068-0001-SO (N) / 240-50056-4	1 / 1.00	Toluene-d8	83.0 (Percent)	J/UJ	85 - 115	10 - 115	I			
Surrogate	069SB-0069-0001-SO (N) / 240-50056-5	1 / 1.00	Toluene-d8	122 (Percent)	J/None	85 - 115	10 - 115	I			
Surrogate	069SB-0069-0001-SO (N) / 240-50056-5	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	158 (Percent)	J/None	85 - 120	10 - 120	I			
Surrogate	069SB-0082-0001-SO (N) / 240-50056-22	1 / 1.00	Dibromofluoromethane	4.59 (Percent)	J/R	59 - 138	10 - 115	I			
Surrogate	069SB-0082-0001-SO (N) / 240-50056-22	1 / 1.00	1,2-Dichloroethane-d4	5.28 (Percent)	J/R	61 - 130	10 - 130	I			
Surrogate	069SB-0082-0001-SO (N) / 240-50056-22	1 / 1.00	Toluene-d8	5.28 (Percent)	J/R	85 - 115	10 - 115	I			
Surrogate	069SB-0082-0001-SO (N) / 240-50056-22	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	9.86 (Percent)	J/R	85 - 120	10 - 120	I			
Surrogate	069SB-0083-0001-SO (FD) / 240-50056-23	1 / 1.00	Dibromofluoromethane	1.54 (Percent)	J/R	59 - 138	10 - 115	I			
Surrogate	069SB-0083-0001-SO (FD) / 240-50056-23	1 / 1.00	1,2-Dichloroethane-d4	1.54 (Percent)	J/R	61 - 130	10 - 130	I			
Surrogate	069SB-0083-0001-SO (FD) / 240-50056-23	1 / 1.00	Toluene-d8	1.54 (Percent)	J/R	85 - 115	10 - 115	I			

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

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QC Outlier Report

QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Surrogate	069SB-0083-0001-SO (FD) / 240-50056-23	1 / 1.00	1-Bromo-4-fluorobenzene (4- Bromofluorobenzene)	1.54 (Percent)	J/R	85 - 120	10 - 120	I			

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8260B		Extraction Method: SW5030B		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0088-0001-TB	240-50056-14	WG	N	Acetone	10.0	7.9 J	7.9 J		UG/L	TR
069SB-0088-0001-TB	240-50056-14	WG	N	Carbon disulfide	1.0	1.0 U	1.0 UJ		UG/L	V1
069SB-0088-0001-TB	240-50056-14	WG	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0089-0001-TB	240-50056-15	WG	N	Acetone	10.0	8.5 J	8.5 J		UG/L	TR
069SB-0089-0001-TB	240-50056-15	WG	N	Carbon disulfide	1.0	1.0 U	1.0 UJ		UG/L	V1
069SB-0089-0001-TB	240-50056-15	WG	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J
069SB-0090-0001-RB	240-50056-16	WG	N	Acetone	10.0	1.5 J	1.5 J		UG/L	TR
069SB-0090-0001-RB	240-50056-16	WG	N	Carbon disulfide	1.0	1.0 U	1.0 UJ		UG/L	V1
069SB-0090-0001-RB	240-50056-16	WG	N	Methylene chloride	1.0	1.0 U	1.0 UJ	-	UG/L	J

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0063-0001-SO	240-50056-1	SO	N	Acetone	850	850 U	850 UJ		UG/KG	V1/G1
069SB-0063-0001-SO	240-50056-1	SO	N	Methylene chloride	250	250 B	250 U	+	UG/KG	L
069SB-0063-0001-SO	240-50056-1	SO	N	Styrene	210	9.7 J	210 U	+	UG/KG	L
069SB-0064-0001-SO	240-50056-2	SO	N	Acetone	810	810 U	810 UJ		UG/KG	V1/G1
069SB-0064-0001-SO	240-50056-2	SO	N	Methylene chloride	220	220 B	220 U	+	UG/KG	L
069SB-0064-0001-SO	240-50056-2	SO	N	Styrene	200	8.3 J	200 U	+	UG/KG	L
069SB-0065-0001-SO	240-50056-3	SO	N	1,1,1-Trichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1,1,2,2-Tetrachloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1,1,2-Trichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1,1-Dichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1,1-Dichloroethene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1,2-Dibromoethane (EDB)	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1,2-Dichloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1,2-Dichloroethene	390	390 U	390 UJ	-	UG/KG	I

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0065-0001-SO	240-50056-3	SO	N	1,2-Dichloropropane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	2-Butanone (MEK)	790	790 U	790 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	2-Hexanone	790	790 U	790 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	4-Methyl-2-pentanone (MIBK)	790	790 U	790 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Acetone	790	790 U	790 UJ	-	UG/KG	I/V1/G1
069SB-0065-0001-SO	240-50056-3	SO	N	Benzene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Bromochloromethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Bromodichloromethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Bromoform	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Bromomethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Carbon disulfide	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Carbon tetrachloride	200	3200	3200 J	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Chlorobenzene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Chloroethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Chloroform	200	530	530 J	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Chloromethane	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	cis-1,3-Dichloropropene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Dibromochloromethane	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Ethylbenzene	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Methyl tert-butyl ether (MTBE)	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Methylene chloride	220	220 B	220 UJ		UG/KG	L/I
069SB-0065-0001-SO	240-50056-3	SO	N	Styrene	200	12.0 J Q	200 UJ		UG/KG	L/I
069SB-0065-0001-SO	240-50056-3	SO	N	Tetrachloroethene (PCE)	200	200 U Q	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Toluene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	trans-1,3-Dichloropropene	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Trichloroethene (TCE)	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Vinyl chloride	200	200 U	200 UJ	-	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	Xylenes, Total	390	390 U Q	390 UJ	-	UG/KG	I

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Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0068-0001-SO	240-50056-4	SO	N	1,1,1-Trichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,1,2,2-Tetrachloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,1,2-Trichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,1-Dichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,1-Dichloroethene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,2-Dibromoethane (EDB)	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,2-Dichloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,2-Dichloroethene	460	460 U	460 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1,2-Dichloropropane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	2-Butanone (MEK)	920	920 U	920 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	2-Hexanone	920	920 U	920 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	4-Methyl-2-pentanone (MIBK)	920	920 U	920 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Acetone	920	920 U	920 UJ	-	UG/KG	I/V1/G1
069SB-0068-0001-SO	240-50056-4	SO	N	Benzene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Bromochloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Bromodichloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Bromoform	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Bromomethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Carbon disulfide	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Carbon tetrachloride	230	4900	4900 J	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Chlorobenzene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Chloroethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Chloroform	230	170 J	170 J	-	UG/KG	I/TR
069SB-0068-0001-SO	240-50056-4	SO	N	Chloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	cis-1,3-Dichloropropene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Dibromochloromethane	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Ethylbenzene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Methyl tert-butyl ether (MTBE)	230	230 U	230 UJ	-	UG/KG	I

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Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0068-0001-SO	240-50056-4	SO	N	Methylene chloride	280	280 B	280 U		UG/KG	L
069SB-0068-0001-SO	240-50056-4	SO	N	Styrene	230	12.0 J	230 UJ		UG/KG	L/I
069SB-0068-0001-SO	240-50056-4	SO	N	Tetrachloroethene (PCE)	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Toluene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	trans-1,3-Dichloropropene	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Trichloroethene (TCE)	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Vinyl chloride	230	230 U	230 UJ	-	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	Xylenes, Total	460	460 U	460 UJ	-	UG/KG	I
069SB-0069-0001-SO	240-50056-5	SO	N	1,1,2,2-Tetrachloroethane	4.4	4.4 U Q J	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	1,1,2-Trichloroethane	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	1,2-Dibromoethane (EDB)	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	2-Hexanone	17.0	17.0 U Q	17.0 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	4-Methyl-2-pentanone (MIBK)	17.0	17.0 U Q	17.0 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	Acetone	17.0	12.0 J	17.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0069-0001-SO	240-50056-5	SO	N	Bromoform	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	Carbon tetrachloride	4.4	0.86 J	0.86 J	+	UG/KG	I/TR
069SB-0069-0001-SO	240-50056-5	SO	N	Chlorobenzene	4.4	4.4 U Q	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	Chloroform	4.4	0.33 J	0.33 J	+	UG/KG	I/TR
069SB-0069-0001-SO	240-50056-5	SO	N	Dibromochloromethane	4.4	4.4 U Q	4.4 UJ	-	UG/KG	J/S
069SB-0069-0001-SO	240-50056-5	SO	N	Ethylbenzene	4.4	0.38 Q J	0.38 J		UG/KG	I/TR/S
069SB-0069-0001-SO	240-50056-5	SO	N	Methylene chloride	5.7	5.7 B J	5.7 U	+	UG/KG	L
069SB-0069-0001-SO	240-50056-5	SO	N	Styrene	4.4	4.4 U Q J	4.4 UJ	-	UG/KG	M/S
069SB-0069-0001-SO	240-50056-5	SO	N	Tetrachloroethene (PCE)	4.4	4.4 U Q J	4.4 UJ	-	UG/KG	S
069SB-0069-0001-SO	240-50056-5	SO	N	Toluene	4.4	0.24 Q J	0.24 J		UG/KG	I/TR/S
069SB-0069-0001-SO	240-50056-5	SO	N	trans-1,3-Dichloropropene	4.4	4.4 U Q	4.4 UJ	-	UG/KG	J/S
069SB-0069-0001-SO	240-50056-5	SO	N	Xylenes, Total	8.7	8.7 U Q	8.7 UJ	-	UG/KG	S
069SB-0070-0001-SO	240-50056-7	SO	N	Acetone	19.0	11.0 J	19.0 UJ	+	UG/KG	T/V1/G1
069SB-0070-0001-SO	240-50056-7	SO	N	Methylene chloride	4.8	3.8 J	3.8 J	+	UG/KG	TR/J

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0071-0001-SO	240-50056-8	SO	N	2-Butanone (MEK)	16.0	2.3 J	2.3 J		UG/KG	TR
069SB-0071-0001-SO	240-50056-8	SO	N	Acetone	18.0	18.0	18.0 UJ	+	UG/KG	T/V1/G1
069SB-0071-0001-SO	240-50056-8	SO	N	Methylene chloride	4.1	6.0	6.0 J	+	UG/KG	J
069SB-0072-0001-SO	240-50056-9	SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1
069SB-0072-0001-SO	240-50056-9	SO	N	Methylene chloride	4.4	2.2 J	2.2 J	+	UG/KG	TR/J
069SB-0073-0001-SO	240-50056-10	SO	N	Acetone	15.0	6.5 J	15.0 UJ	+	UG/KG	T/V1/G1
069SB-0073-0001-SO	240-50056-10	SO	N	Methylene chloride	3.9	3.1 J	3.1 J	+	UG/KG	TR/J
069SB-0074-0001-SO	240-50056-11	SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1
069SB-0074-0001-SO	240-50056-11	SO	N	Methylene chloride	4.3	4.0 J	4.0 J	+	UG/KG	TR/J
069SB-0075-0001-SO	240-50056-12	SO	N	Acetone	15.0	15.0 U	15.0 UJ		UG/KG	V1/G1
069SB-0075-0001-SO	240-50056-12	SO	N	Methylene chloride	3.7	3.0 J	3.0 J	+	UG/KG	TR/J
069SB-0076-0001-SO	240-50056-13	SO	N	Acetone	16.0	8.7 J	16.0 UJ	+	UG/KG	T/V1/G1
069SB-0076-0001-SO	240-50056-13	SO	N	Methylene chloride	3.9	10.0	10.0 J	+	UG/KG	J
069SB-0077-0001-SO	240-50056-17	SO	N	Acetone	19.0	10.0 J	19.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0077-0001-SO	240-50056-17	SO	N	Dibromochloromethane	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0077-0001-SO	240-50056-17	SO	N	Methylene chloride	5.5	5.5 B	5.5 U	+	UG/KG	L
069SB-0077-0001-SO	240-50056-17	SO	N	trans-1,3-Dichloropropene	4.7	4.7 U	4.7 UJ	-	UG/KG	J
069SB-0078-0001-SO	240-50056-18	SO	FD	Acetone	18.0	17.0 J	18.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0078-0001-SO	240-50056-18	SO	FD	Dibromochloromethane	4.6	4.6 U	4.6 UJ	-	UG/KG	J
069SB-0078-0001-SO	240-50056-18	SO	FD	Methylene chloride	7.3	7.3 B	7.3 U	+	UG/KG	L
069SB-0078-0001-SO	240-50056-18	SO	FD	trans-1,3-Dichloropropene	4.6	4.6 U	4.6 UJ	-	UG/KG	J
069SB-0079-0001-SO	240-50056-19	SO	N	Acetone	18.0	18.0 U	18.0 UJ		UG/KG	V1/G1/V3
069SB-0079-0001-SO	240-50056-19	SO	N	Dibromochloromethane	4.4	4.4 U	4.4 UJ	-	UG/KG	J
069SB-0079-0001-SO	240-50056-19	SO	N	Methylene chloride	4.4	3.1 J B	4.4 U	+	UG/KG	L
069SB-0079-0001-SO	240-50056-19	SO	N	trans-1,3-Dichloropropene	4.4	4.4 U	4.4 UJ	-	UG/KG	J
069SB-0080-0001-SO	240-50056-20	SO	N	Acetone	16.0	7.7 J	16.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0080-0001-SO	240-50056-20	SO	N	Dibromochloromethane	4.0	4.0 U	4.0 UJ	-	UG/KG	J
069SB-0080-0001-SO	240-50056-20	SO	N	Methylene chloride	5.9	5.9 B	5.9 U	+	UG/KG	L

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Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0080-0001-SO	240-50056-20	SO	N	trans-1,3-Dichloropropene	4.0	4.0 U	4.0 UJ	-	UG/KG	J
069SB-0081-0001-SO	240-50056-21	SO	N	Acetone	16.0	16.0 U	16.0 UJ		UG/KG	V1/G1/V3
069SB-0081-0001-SO	240-50056-21	SO	N	Dibromochloromethane	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0081-0001-SO	240-50056-21	SO	N	Methylene chloride	4.3	4.3 B	4.3 U	+	UG/KG	L
069SB-0081-0001-SO	240-50056-21	SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0082-0001-SO	240-50056-22	SO	N	1,1,1-Trichloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1,2,2-Tetrachloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1,2-Trichloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1-Dichloroethane	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1-Dichloroethene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dibromoethane (EDB)	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dichloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dichloroethene	8.7	8.7 U	8.7 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dichloropropane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	2-Butanone (MEK)	17.0	17.0 U	17.0 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	2-Hexanone	17.0	17.0 U	17.0 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	4-Methyl-2-pentanone (MIBK)	17.0	17.0 U Q	17.0 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Acetone	17.0	17.0 U Q	17.0 R	-	UG/KG	I/V1/G1/V3
069SB-0082-0001-SO	240-50056-22	SO	N	Benzene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromochloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromodichloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromoform	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromomethane	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Carbon disulfide	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Carbon tetrachloride	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Chlorobenzene	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Chloroethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Chloroform	4.4	4.4 U Q	4.4 R	-	UG/KG	I

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Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0082-0001-SO	240-50056-22	SO	N	Chloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	cis-1,3-Dichloropropene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Dibromochloromethane	4.4	4.4 U Q	4.4 R	-	UG/KG	I/J
069SB-0082-0001-SO	240-50056-22	SO	N	Ethylbenzene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Methyl tert-butyl ether (MTBE)	4.4	4.4 U	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Methylene chloride	4.4	3.3 J Q B	4.4 R		UG/KG	L/I
069SB-0082-0001-SO	240-50056-22	SO	N	Styrene	4.4	4.4 U Q	4.4 R		UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Tetrachloroethene (PCE)	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Toluene	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	trans-1,3-Dichloropropene	4.4	4.4 U Q	4.4 R	-	UG/KG	I/J
069SB-0082-0001-SO	240-50056-22	SO	N	Trichloroethene (TCE)	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Vinyl chloride	4.4	4.4 U Q	4.4 R	-	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Xylenes, Total	8.7	8.7 U Q	8.7 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1,1-Trichloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1,2,2-Tetrachloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1,2-Trichloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1-Dichloroethane	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1-Dichloroethene	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dibromoethane (EDB)	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dichloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dichloroethene	13.0	13.0 U	13.0 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dichloropropane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	2-Butanone (MEK)	26.0	26.0 U	26.0 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	2-Hexanone	26.0	26.0 U Q	26.0 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	4-Methyl-2-pentanone (MIBK)	26.0	26.0 U Q	26.0 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Acetone	32.0	32.0 Q	32.0 R		UG/KG	T/I/V1/G1/V3
069SB-0083-0001-SO	240-50056-23	SO	FD	Benzene	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromochloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I

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Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromodichloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromoform	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromomethane	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Carbon disulfide	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Carbon tetrachloride	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Chlorobenzene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Chloroethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Chloroform	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Chloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	cis-1,3-Dichloropropene	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Dibromochloromethane	6.5	6.5 U Q	6.5 R	-	UG/KG	I/J/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Ethylbenzene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Methyl tert-butyl ether (MTBE)	6.5	6.5 U	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Methylene chloride	32.0	12.0 Q B	32.0 R		UG/KG	L/I
069SB-0083-0001-SO	240-50056-23	SO	FD	Styrene	6.5	6.5 U Q	6.5 R		UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Tetrachloroethene (PCE)	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Toluene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	trans-1,3-Dichloropropene	6.5	6.5 U Q	6.5 R	-	UG/KG	I/J/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Trichloroethene (TCE)	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Vinyl chloride	6.5	6.5 U Q	6.5 R	-	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Xylenes, Total	13.0	13.0 U Q	13.0 R	-	UG/KG	I/S
069SB-0084-0001-SO	240-50056-24	SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1/V3
069SB-0084-0001-SO	240-50056-24	SO	N	Dibromochloromethane	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0084-0001-SO	240-50056-24	SO	N	Methylene chloride	4.1	3.4 J B	4.1 U	+	UG/KG	L
069SB-0084-0001-SO	240-50056-24	SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0085-0001-SO	240-50056-25	SO	N	Acetone	17.0	17.0 U	17.0 UJ		UG/KG	V1/G1/V3
069SB-0085-0001-SO	240-50056-25	SO	N	Dibromochloromethane	4.3	4.3 U	4.3 UJ	-	UG/KG	J
069SB-0085-0001-SO	240-50056-25	SO	N	Methylene chloride	4.3	3.6 J B	4.3 U	+	UG/KG	L

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Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW8260B Extraction Method: SW5035 Leach Method: NONE										
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0085-0001-SO	240-50056-25	SO	N	trans-1,3-Dichloropropene	4.3	4.3 U	4.3 UJ	-	UG/KG	J
069SB-0086-0001-SO	240-50056-26	SO	N	Acetone	16.0	16.0 U	16.0 UJ		UG/KG	V1/G1/V3
069SB-0086-0001-SO	240-50056-26	SO	N	Dibromochloromethane	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0086-0001-SO	240-50056-26	SO	N	Methylene chloride	5.4	5.4 B	5.4 U	+	UG/KG	L
069SB-0086-0001-SO	240-50056-26	SO	N	trans-1,3-Dichloropropene	4.1	4.1 U	4.1 UJ	-	UG/KG	J
069SB-0087-0001-SO	240-50056-27	SO	N	Acetone	16.0	11.0 J	16.0 UJ	+	UG/KG	T/V1/G1/V3
069SB-0087-0001-SO	240-50056-27	SO	N	Dibromochloromethane	4.0	4.0 U	4.0 UJ	-	UG/KG	J
069SB-0087-0001-SO	240-50056-27	SO	N	Methylene chloride	4.0	2.7 J B	4.0 U	+	UG/KG	L
069SB-0087-0001-SO	240-50056-27	SO	N	trans-1,3-Dichloropropene	4.0	4.0 U	4.0 UJ	-	UG/KG	J

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

Test Method: SW8260B		Extraction Method: SW5030B			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0088-0001-TB	240-50056-14	WG	N	1	Acetone	10.0	7.9 J	7.9 J	UG/L	TR
069SB-0089-0001-TB	240-50056-15	WG	N	1	Acetone	10.0	8.5 J	8.5 J	UG/L	TR
069SB-0090-0001-RB	240-50056-16	WG	N	1	Acetone	10.0	1.5 J	1.5 J	UG/L	TR

Test Method: SW8260B		Extraction Method: SW5035			Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0063-0001-SO	240-50056-1	SO	N	1	Carbon tetrachloride	210	2500	2500	UG/KG	
069SB-0063-0001-SO	240-50056-1	SO	N	1	Chloroform	210	380	380	UG/KG	
069SB-0064-0001-SO	240-50056-2	SO	N	1	Carbon tetrachloride	200	4600	4600	UG/KG	
069SB-0064-0001-SO	240-50056-2	SO	N	1	Chloroform	200	550	550	UG/KG	
069SB-0065-0001-SO	240-50056-3	SO	N	1	Carbon tetrachloride	200	3200	3200 J	UG/KG	I
069SB-0065-0001-SO	240-50056-3	SO	N	1	Chloroform	200	530	530 J	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1	Carbon tetrachloride	230	4900	4900 J	UG/KG	I
069SB-0068-0001-SO	240-50056-4	SO	N	1	Chloroform	230	170 J	170 J	UG/KG	I/TR
069SB-0069-0001-SO	240-50056-5	SO	N	1	Carbon tetrachloride	4.4	0.86 J	0.86 J	UG/KG	I/TR
069SB-0069-0001-SO	240-50056-5	SO	N	1	Chloroform	4.4	0.33 J	0.33 J	UG/KG	I/TR
069SB-0069-0001-SO	240-50056-5	SO	N	1	Ethylbenzene	4.4	0.38 Q J	0.38 J	UG/KG	I/TR/S
069SB-0069-0001-SO	240-50056-5	SO	N	1	Toluene	4.4	0.24 Q J	0.24 J	UG/KG	I/TR/S
069SB-0070-0001-SO	240-50056-7	SO	N	1	Methylene chloride	4.8	3.8 J	3.8 J	UG/KG	TR/J
069SB-0071-0001-SO	240-50056-8	SO	N	1	2-Butanone (MEK)	16.0	2.3 J	2.3 J	UG/KG	TR
069SB-0071-0001-SO	240-50056-8	SO	N	1	Methylene chloride	4.1	6.0	6.0 J	UG/KG	J
069SB-0072-0001-SO	240-50056-9	SO	N	1	Methylene chloride	4.4	2.2 J	2.2 J	UG/KG	TR/J
069SB-0073-0001-SO	240-50056-10	SO	N	1	Methylene chloride	3.9	3.1 J	3.1 J	UG/KG	TR/J
069SB-0074-0001-SO	240-50056-11	SO	N	1	Methylene chloride	4.3	4.0 J	4.0 J	UG/KG	TR/J
069SB-0075-0001-SO	240-50056-12	SO	N	1	Methylene chloride	3.7	3.0 J	3.0 J	UG/KG	TR/J

Automated Data Review Detail Report for 240-50056-1_Erp_Synecitics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Detected Results

Test Method: SW8260B	Extraction Method: SW5035	Leach Method: NONE								
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0076-0001-SO	240-50056-13	SO	N	1	Methylene chloride	3.9	10.0	10.0 J	UG/KG	J

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Rejected Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE					
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0082-0001-SO	240-50056-22	SO	N	1,1,1-Trichloroethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1,2,2-Tetrachloroethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1,2-Trichloroethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1-Dichloroethane	4.4	4.4 U	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,1-Dichloroethene	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dibromoethane (EDB)	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dichloroethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dichloroethene	8.7	8.7 U	8.7 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	1,2-Dichloropropane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	2-Butanone (MEK)	17.0	17.0 U	17.0 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	2-Hexanone	17.0	17.0 U	17.0 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	4-Methyl-2-pentanone (MIBK)	17.0	17.0 U Q	17.0 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Acetone	17.0	17.0 U Q	17.0 R	UG/KG	I/V1/G1/V3
069SB-0082-0001-SO	240-50056-22	SO	N	Benzene	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromochloromethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromodichloromethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromoform	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Bromomethane	4.4	4.4 U	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Carbon disulfide	4.4	4.4 U	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Carbon tetrachloride	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Chlorobenzene	4.4	4.4 U	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Chloroethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Chloroform	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Chloromethane	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	cis-1,3-Dichloropropene	4.4	4.4 U Q	4.4 R	UG/KG	I
069SB-0082-0001-SO	240-50056-22	SO	N	Dibromochloromethane	4.4	4.4 U Q	4.4 R	UG/KG	I/J
069SB-0082-0001-SO	240-50056-22	SO	N	Ethylbenzene	4.4	4.4 U Q	4.4 R	UG/KG	I

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Rejected Results

Test Method: SW8260B		Extraction Method: SW5035		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason	
069SB-0082-0001-SO	240-50056-22	SO	N	Methyl tert-butyl ether (MTBE)	4.4	4.4 U	4.4 R	UG/KG	I	
069SB-0082-0001-SO	240-50056-22	SO	N	Methylene chloride	4.4	3.3 J Q B	4.4 R	UG/KG	L/I	
069SB-0082-0001-SO	240-50056-22	SO	N	Styrene	4.4	4.4 U Q	4.4 R	UG/KG	I	
069SB-0082-0001-SO	240-50056-22	SO	N	Tetrachloroethene (PCE)	4.4	4.4 U Q	4.4 R	UG/KG	I	
069SB-0082-0001-SO	240-50056-22	SO	N	Toluene	4.4	4.4 U Q	4.4 R	UG/KG	I	
069SB-0082-0001-SO	240-50056-22	SO	N	trans-1,3-Dichloropropene	4.4	4.4 U Q	4.4 R	UG/KG	I/J	
069SB-0082-0001-SO	240-50056-22	SO	N	Trichloroethene (TCE)	4.4	4.4 U Q	4.4 R	UG/KG	I	
069SB-0082-0001-SO	240-50056-22	SO	N	Vinyl chloride	4.4	4.4 U Q	4.4 R	UG/KG	I	
069SB-0082-0001-SO	240-50056-22	SO	N	Xylenes, Total	8.7	8.7 U Q	8.7 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1,1-Trichloroethane	6.5	6.5 U Q	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1,2,2-Tetrachloroethane	6.5	6.5 U Q	6.5 R	UG/KG	I/S	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1,2-Trichloroethane	6.5	6.5 U Q	6.5 R	UG/KG	I/S	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1-Dichloroethane	6.5	6.5 U	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,1-Dichloroethene	6.5	6.5 U Q	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dibromoethane (EDB)	6.5	6.5 U Q	6.5 R	UG/KG	I/S	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dichloroethane	6.5	6.5 U Q	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dichloroethene	13.0	13.0 U	13.0 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	1,2-Dichloropropane	6.5	6.5 U Q	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	2-Butanone (MEK)	26.0	26.0 U	26.0 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	2-Hexanone	26.0	26.0 U Q	26.0 R	UG/KG	I/S	
069SB-0083-0001-SO	240-50056-23	SO	FD	4-Methyl-2-pentanone (MIBK)	26.0	26.0 U Q	26.0 R	UG/KG	I/S	
069SB-0083-0001-SO	240-50056-23	SO	FD	Acetone	32.0	32.0 Q	32.0 R	UG/KG	T/I/V1/G1/V3	
069SB-0083-0001-SO	240-50056-23	SO	FD	Benzene	6.5	6.5 U Q	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromochloromethane	6.5	6.5 U Q	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromodichloromethane	6.5	6.5 U Q	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromoform	6.5	6.5 U Q	6.5 R	UG/KG	I/S	
069SB-0083-0001-SO	240-50056-23	SO	FD	Bromomethane	6.5	6.5 U	6.5 R	UG/KG	I	
069SB-0083-0001-SO	240-50056-23	SO	FD	Carbon disulfide	6.5	6.5 U	6.5 R	UG/KG	I	

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Rejected Results

Test Method: SW8260B	Extraction Method: SW5035	Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
069SB-0083-0001-SO	240-50056-23	SO	FD	Carbon tetrachloride	6.5	6.5 U Q	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Chlorobenzene	6.5	6.5 U Q	6.5 R	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Chloroethane	6.5	6.5 U Q	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Chloroform	6.5	6.5 U Q	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Chloromethane	6.5	6.5 U Q	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	cis-1,3-Dichloropropene	6.5	6.5 U Q	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Dibromochloromethane	6.5	6.5 U Q	6.5 R	UG/KG	I/J/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Ethylbenzene	6.5	6.5 U Q	6.5 R	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Methyl tert-butyl ether (MTBE)	6.5	6.5 U	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Methylene chloride	32.0	12.0 Q B	32.0 R	UG/KG	L/I
069SB-0083-0001-SO	240-50056-23	SO	FD	Styrene	6.5	6.5 U Q	6.5 R	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Tetrachloroethene (PCE)	6.5	6.5 U Q	6.5 R	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Toluene	6.5	6.5 U Q	6.5 R	UG/KG	I/S
069SB-0083-0001-SO	240-50056-23	SO	FD	trans-1,3-Dichloropropene	6.5	6.5 U Q	6.5 R	UG/KG	I/J/S
069SB-0083-0001-SO	240-50056-23	SO	FD	Trichloroethene (TCE)	6.5	6.5 U Q	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Vinyl chloride	6.5	6.5 U Q	6.5 R	UG/KG	I
069SB-0083-0001-SO	240-50056-23	SO	FD	Xylenes, Total	13.0	13.0 U Q	13.0 R	UG/KG	I/S

Automated Data Review Detail Report for 240-50056-1_Erp_Synecotics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Anomalies Count

Test/Extraction Method/Leach	Field Samples Outside of Compliance	Analytes Outside of Compliance
SW8260B/SW5030B/NONE	3	3

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

Automated Data Review Detail Report for 240-50056-1_Erp_Synecotics_ChemLab_Mmr
Ravenna Army Ammunition Plant
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Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	.			
Were samples preserved properly and received in good condition?	.			
Were holding times met?	.			
Were sample receipt temperatures met?	.			
Were QAPP specified PQLs achieved?	.			Samples 1-4 run at medium level due to elevated levels of carbon tetrachloride.
Were all QAPP-specified target analytes reported?	.			
Was the GC/MS system properly tuned based on method criteria?	.			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	.			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	.			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	.			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	.			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	.	.		Acetone average RRF below limit for ICV associated with all soil samples; results qualified
If a linear regression curve was used, was the correlation coefficient within criteria?	.			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	.	.		For aqueous samples, %D for carbon disulfide above 20% QC limit; results qualified. For solid samples, RRF for acetone below limit; results qualified.
Was a CCV(s) run at the proper frequency?	.			
Was the CCV a mid-level standard from the initial calibration curve?	.			
Did the CCCs have a %Difference within QAPP acceptance limits?	.			
Were the average RFs for the SPCCs within QAPP acceptance limits?	.			Acetone RF below limit for samples 5, 17-27; results qualified.
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	.			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	.			
Were the retention times for all IS compounds within QAPP acceptance limits?	.			
Are the area counts of all IS compounds within QAPP acceptance limits?	.	.		IS areas for DBZ and DCB below limits for samples 5 and 23 (also DCB for 5 MSD); specific targets calibrated with these IS qualified.
Was a method blank prepared and analyzed with each batch?	.			

Automated Data Review Detail Report for 240-50056-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Were target analytes detected in the method blank above the MDL?		•		Methylene chloride and styrene detected within med. level MB associated with samples 1-4. MC detected within low level MB associated with samples 5, 17-27. All detected results for these samples changed to ND.
Was a field blank (equipment or trip) collected and analyzed at the required frequency?	•			2 TBs and one RB collected with sample set.
Were target analytes reported in the field blank analyses above the MDL?	•			Acetone detected in both trip blanks. All detected results for low level samples (samples 5, 7, 8, 10, 13, 17, 18, 20, 23, and 27) changed to ND. Acetone also detected in rinsate blank, but too low to impact samples.
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			LCS only
Were the LCS/LCSD recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
Were the MRL recoveries within 70-130% limits?		•		MRLs assoc. with samp 1-4, 7-13 acetone and MC recoveries above limit; no detects for acetone after TB qual; MC results for 7-13 qualified. MRLs assoc with TB & RB samples MC recovery below QC limit and VC above QC limit; MC results qualified; no detects for VC.
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?	•			
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were MS/MSD recoveries and RPD within QAPP acceptance limits?		•		Styrene MSD recovery below QC limits; sample 5 result qualified.
Were surrogate recoveries within QAPP acceptance limits?		•		Samp 3, 1 surrogate recovery below QC limits; all results qualified J/UJ. Samp 5, 2 surrogate recoveries above QC limit; detected results qualified. Samples 22 and 23, all recoveries below 10%. No detections in samples following blank validation; all results qualified R (unusable)
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?	•			
Were sample preparation sheets present and filled out appropriately?	•			

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WORKSHEET 8

**Automated Data Review Summary for 240-17796-1
Equipment Rinsate Blank**

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AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Facility: Ravenna Army Ammunition Plant

Event: Fall 2012 SI/RI Sampling

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Otis Ang Base, MA

Data Review Contractor:

SDG: 240-17796-1_(76-SB,SS,SW), Certified - 1/3/2013 by frederickroche

QC Level: ADR

Project Manager:

Data Reviewer:

Data Reviewer Title:

Date of Review Report:

Samples Included in SDG 240-17796-1_(76-SB,SS,SW)

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
E353.2/NONE	16	3	1	1
M8015V/NONE		1		0
SW6020/NONE		1		0
SW7196A/NONE	1		0	
SW7470A/NONE		1		0
SW7471A/NONE	23		0	
SW8081/NONE		1		0

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Analytical Method/ Leach Method	Normal Soil Samples	Normal Water Samples	Field QC Soil Samples	Field QC Water Samples
SW8082/NONE	8	3	0	1
SW8151/NONE		1		0
SW8260B/NONE	14	3	0	0
SW8270C/NONE	30	1	1	0
SW8330B/NONE	16	3	1	1

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Otis Ang Base, MA; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-17796-1_(76-SB,SS,SW). Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Field Duplicate RPD
- LCS Recovery
- MS Recovery
- MS RPD
- Prep Hold Time
- Surrogate
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Field Blank

Initial Calibration Verification

Lab Replicate RPD

LCS RPD

Material Blank

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 58 results (1.74%) out of the 3332 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
E353.2	
M8015V	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

SW6020	
SW7196A	
SW7470A	
SW7471A	
SW8081	
SW8082	
SW8151	
SW8260B	
SW8270C	
SW8330B	

Reviewed by , _____

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreeec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreeec C.
Y1	False Positive
Y2	Data rejected due to radiological anomalies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: E353.2; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
7008	6966	NA	LABQC	WQ	LABQC	MB 320-6877/1-B		1/1	06-Dec-2012 6:41 AM	06-Dec-2012 6:41 AM	06-Dec-2012 1:56 PM	LB
	6966	NA	LABQC	WQ	LABQC	LCS 320-6877/2-B		1/1	06-Dec-2012 6:41 AM	06-Dec-2012 6:41 AM	06-Dec-2012 1:58 PM	BS
	6966	NA	76-U20-SW	WS	076SW-0013-0001-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	06-Dec-2012 6:41 AM	06-Dec-2012 2:04 PM	N
	6966	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	06-Dec-2012 6:41 AM	06-Dec-2012 2:06 PM	MS
	6966	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	06-Dec-2012 6:41 AM	06-Dec-2012 2:08 PM	SD
	6966	NA	76-U20-SW	WS	076SW-0014-0001-SW	240-17796-18		1/1	08-Nov-2012 2:30 PM	06-Dec-2012 6:41 AM	06-Dec-2012 2:10 PM	FD
	6966	NA	76-U20-SW2	WS	076SW-0015-0001-SW	240-17796-19		1/1	08-Nov-2012 3:00 PM	06-Dec-2012 6:41 AM	06-Dec-2012 2:12 PM	N
	6966	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	06-Dec-2012 6:41 AM	06-Dec-2012 2:14 PM	N
	6967	NA	LABQC	SQ	LABQC	MB 320-6938/1-B		1/1	06-Dec-2012 7:13 AM	06-Dec-2012 7:13 AM	06-Dec-2012 12:50 PM	LB
	6967	NA	LABQC	SQ	LABQC	LCS 320-6938/2-B		1/1	06-Dec-2012 7:13 AM	06-Dec-2012 7:13 AM	06-Dec-2012 12:52 PM	BS
	6967	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	06-Dec-2012 7:13 AM	06-Dec-2012 12:54 PM	N
	6967	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	06-Dec-2012 7:13 AM	06-Dec-2012 12:56 PM	MS
	6967	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	06-Dec-2012 7:13 AM	06-Dec-2012 12:58 PM	SD
	6967	NA	76-U20-DU1-SB	SO	076SB-0053M-0001-SO	240-17796-9		1/1	15-Nov-2012 3:55 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:08 PM	N
	6967	NA	76-U20-DU1-SS	SO	076SS-0007M-0001-SO	240-17796-10		1/1	15-Nov-2012 3:45 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:10 PM	N
	6967	NA	76-U20-DU1-SB	SO	076SB-0054M-0001-SO	240-17796-11		1/1	15-Nov-2012 3:56 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:12 PM	N
	6967	NA	76-U20-DU1-SB1	SO	076SB-0055M-0001-SO	240-17796-12		1/1	15-Nov-2012 1:45 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:14 PM	N
	6967	NA	76-U20-DU1-SB2	SO	076SB-0056M-0001-SO	240-17796-13		1/1	15-Nov-2012 2:10 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:16 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: E353.2; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
7008	6967	NA	76-U20-DU1-SB3	SO	076SB-0057M-0001-SO	240-17796-14		1/1	15-Nov-2012 2:40 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:18 PM	N
	6967	NA	76-U20-DU1-SB4	SO	076SB-0058M-0001-SO	240-17796-15		1/1	15-Nov-2012 3:30 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:20 PM	N
	6967	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:22 PM	N
	6967	NA	76-U10-DU1-SB	SO	076SB-0044M-0001-SO	240-17796-29		1/1	15-Nov-2012 12:25 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:24 PM	N
	6967	NA	76-U10-DU1-SB	SO	076SB-0045M-0001-SO	240-17796-30		1/1	15-Nov-2012 12:26 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:26 PM	N
	6967	NA	76-U10-DU1-SB1	SO	076SB-0046M-0001-SO	240-17796-31		1/1	15-Nov-2012 10:50 AM	06-Dec-2012 7:13 AM	06-Dec-2012 1:36 PM	N
	6967	NA	76-U10-DU1-SB1	SO	076SB-0047M-0001-SO	240-17796-32		1/1	15-Nov-2012 11:11 AM	06-Dec-2012 7:13 AM	06-Dec-2012 1:38 PM	N
	6967	NA	76-U10-DU1-SB2	SO	076SB-0048M-0001-SO	240-17796-33		1/1	15-Nov-2012 11:40 AM	06-Dec-2012 7:13 AM	06-Dec-2012 1:40 PM	FD
	6967	NA	76-U10-DU1-SB3	SO	076SB-0049M-0001-SO	240-17796-34		1/1	15-Nov-2012 12:05 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:42 PM	N
	6967	NA	76-U10-DU1-SB4	SO	076SB-0050M-0001-SO	240-17796-35		1/1	15-Nov-2012 12:30 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:44 PM	N
	6967	NA	76-U10-DU1-SB5	SO	076SB-0051M-0001-SO	240-17796-36		1/1	15-Nov-2012 12:10 PM	06-Dec-2012 7:13 AM	06-Dec-2012 1:46 PM	N

Test Method: M8015V; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66387	66387	NA	LABQC	WQ	LABQC	MB 240-66387/45		1/1	28-Nov-2012 2:00 PM	28-Nov-2012 2:00 PM	28-Nov-2012 2:00 PM	LB
	66387	NA	LABQC	WQ	LABQC	LCS 240-66387/46		1/1	28-Nov-2012 2:38 PM	28-Nov-2012 2:38 PM	28-Nov-2012 2:38 PM	BS
	66387	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	28-Nov-2012 3:56 PM	28-Nov-2012 3:56 PM	N
	66387	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	28-Nov-2012 4:35 PM	28-Nov-2012 4:35 PM	MS
	66387	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	28-Nov-2012 5:13 PM	28-Nov-2012 5:13 PM	SD

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW6020; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
68088	66568	NA	LABQC	WQ	LABQC	MB 240-66568/1-A		1/1	28-Nov-2012 9:45 AM	28-Nov-2012 9:45 AM	10-Dec-2012 10:22 AM	LB
	66568	NA	LABQC	WQ	LABQC	LCS 240-66568/2-A		1/1	28-Nov-2012 9:45 AM	28-Nov-2012 9:45 AM	10-Dec-2012 10:27 AM	BS
	66568	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	28-Nov-2012 9:45 AM	10-Dec-2012 10:35 AM	N

Test Method: SW7196A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67491	67293	NA	LABQC	SQ	LABQC	LCSI 240-67293/11-A		1/1	04-Dec-2012 3:00 PM	04-Dec-2012 3:00 PM	05-Dec-2012 12:00 AM	BS
	67293	NA	LABQC	SQ	LABQC	LCSS 240-67293/10-A		1/1	04-Dec-2012 3:00 PM	04-Dec-2012 3:00 PM	05-Dec-2012 12:00 AM	BS
	67293	NA	LABQC	SQ	LABQC	MB 240-67293/9-A		1/1	04-Dec-2012 3:00 PM	04-Dec-2012 3:00 PM	05-Dec-2012 12:00 AM	LB
	67293	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	04-Dec-2012 3:00 PM	05-Dec-2012 3:58 PM	N

Test Method: SW7470A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66485	66219	NA	LABQC	WQ	LABQC	MB 240-66219/1-A		1/1	26-Nov-2012 3:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 3:50 PM	LB
	66219	NA	LABQC	WQ	LABQC	LCS 240-66219/2-A		1/1	26-Nov-2012 3:25 PM	26-Nov-2012 3:25 PM	27-Nov-2012 3:57 PM	BS
	66219	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	26-Nov-2012 3:25 PM	27-Nov-2012 4:28 PM	N

Test Method: SW7471A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67078	66416	NA	LABQC	SQ	LABQC	MB 240-66416/1-A		1/1	27-Nov-2012 2:25 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:17 PM	LB
	66416	NA	LABQC	SQ	LABQC	LCS 240-66416/2-A		1/1	27-Nov-2012 2:25 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:19 PM	BS

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW7471A; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67078	66416	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:20 PM	SD
	66416	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:22 PM	N
	66416	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:23 PM	MS
	66416	NA	76-A3-DU1-SB1	SO	076SB-0062M-0001-SO	240-17796-24		1/1	15-Nov-2012 5:05 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:28 PM	N
	66416	NA	76-U20-DU1-SS	SO	076SS-0007M-0001-SO	240-17796-10		1/1	15-Nov-2012 3:45 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:29 PM	N
	66416	NA	76-U4-DU1-SB5	SO	076SB-0029M-0001-SO	240-17796-8		1/1	15-Nov-2012 10:25 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:30 PM	N
	66416	NA	76-U20-DU1-SB4	SO	076SB-0058M-0001-SO	240-17796-15		1/1	15-Nov-2012 3:30 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:32 PM	N
	66416	NA	76-U20-DU1-SB	SO	076SB-0054M-0001-SO	240-17796-11		1/1	15-Nov-2012 3:56 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:33 PM	N
	66416	NA	76-U20-DU1-SB1	SO	076SB-0055M-0001-SO	240-17796-12		1/1	15-Nov-2012 1:45 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:34 PM	N
	66416	NA	76-U20-DU1-SB3	SO	076SB-0057M-0001-SO	240-17796-14		1/1	15-Nov-2012 2:40 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:36 PM	N
	66416	NA	76-U4-DU1-SB1	SO	076SB-0025M-0001-SO	240-17796-4		1/1	15-Nov-2012 9:00 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:37 PM	N
	66416	NA	76-A3-DU1-SB	SO	076SB-0061M-0001-SO	240-17796-23		1/1	15-Nov-2012 5:36 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:39 PM	N
	66416	NA	76-U20-DU1-SB2	SO	076SB-0056M-0001-SO	240-17796-13		1/1	15-Nov-2012 2:10 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:40 PM	N
	66416	NA	76-U4-DU1-SB3	SO	076SB-0027M-0001-SO	240-17796-6		1/1	15-Nov-2012 9:40 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:44 PM	N
	66416	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:45 PM	N
	66416	NA	76-U4-DU1-SB4	SO	076SB-0028M-0001-SO	240-17796-7		1/1	15-Nov-2012 10:00 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:47 PM	N
	66416	NA	76-U4-DU1-SB2	SO	076SB-0026M-0001-SO	240-17796-5		1/1	15-Nov-2012 9:20 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:48 PM	N
	66416	NA	76-A3-DU1-SB2	SO	076SB-0063M-0001-SO	240-17796-25		1/1	15-Nov-2012 5:15 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:50 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW7471A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67078	66416	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:51 PM	N
	66416	NA	76-A3-DU1-SB	SO	076SB-0060M-0001-SO	240-17796-22		1/1	15-Nov-2012 5:35 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:53 PM	N
	66416	NA	76-U20-DU1-SB	SO	076SB-0053M-0001-SO	240-17796-9		1/1	15-Nov-2012 3:55 PM	27-Nov-2012 2:25 PM	30-Nov-2012 4:54 PM	N
	66416	NA	76-U4-DU1-SB	SO	076SB-0024M-0001-SO	240-17796-3		1/1	15-Nov-2012 10:20 AM	27-Nov-2012 2:25 PM	30-Nov-2012 4:55 PM	N
	66624	NA	LABQC	SQ	LABQC	MB 240-66624/1-A		1/1	28-Nov-2012 2:55 PM	28-Nov-2012 2:55 PM	30-Nov-2012 4:57 PM	LB
	66624	NA	LABQC	SQ	LABQC	LCS 240-66624/2-A		1/1	28-Nov-2012 2:55 PM	28-Nov-2012 2:55 PM	30-Nov-2012 5:01 PM	BS
	66624	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/1	15-Nov-2012 5:25 PM	28-Nov-2012 2:55 PM	30-Nov-2012 5:02 PM	SD
	66624	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/1	15-Nov-2012 5:25 PM	28-Nov-2012 2:55 PM	30-Nov-2012 5:04 PM	N
	66624	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/1	15-Nov-2012 5:25 PM	28-Nov-2012 2:55 PM	30-Nov-2012 5:06 PM	MS
	66624	NA	76-A3-DU1-SB4	SO	076SB-0065M-0001-SO	240-17796-27		1/1	15-Nov-2012 5:40 PM	28-Nov-2012 2:55 PM	30-Nov-2012 5:07 PM	N
	66624	NA	76-A3-DU1-SB5	SO	076SB-0066M-0001-SO	240-17796-28		1/1	15-Nov-2012 4:50 PM	28-Nov-2012 2:55 PM	30-Nov-2012 5:09 PM	N

Test Method: SW8081; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66500	65900	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	21-Nov-2012 9:52 AM	28-Nov-2012 7:19 PM	N
	65900	NA	LABQC	WQ	LABQC	MB 240-65900/9-A		1/1	21-Nov-2012 9:52 AM	21-Nov-2012 9:52 AM	28-Nov-2012 7:47 PM	LB
	65900	NA	LABQC	WQ	LABQC	LCS 240-65900/10-A		1/1	21-Nov-2012 9:52 AM	21-Nov-2012 9:52 AM	29-Nov-2012 2:08 AM	BS

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8082; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66171	65899	NA	76-U20-SW	WS	076SW-0014-0001-SW	240-17796-18		1/1	08-Nov-2012 2:30 PM	21-Nov-2012 9:48 AM	24-Nov-2012 10:32 PM	FD
	65899	NA	76-U20-SW2	WS	076SW-0015-0001-SW	240-17796-19		1/1	08-Nov-2012 3:00 PM	21-Nov-2012 9:48 AM	24-Nov-2012 10:47 PM	N
	65899	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	21-Nov-2012 9:48 AM	24-Nov-2012 11:02 PM	N
	65899	NA	LABQC	WQ	LABQC	MB 240-65899/8-A		1/1	21-Nov-2012 9:48 AM	21-Nov-2012 9:48 AM	24-Nov-2012 11:31 PM	LB
	65899	NA	LABQC	WQ	LABQC	LCS 240-65899/9-A		1/1	21-Nov-2012 9:48 AM	21-Nov-2012 9:48 AM	24-Nov-2012 11:46 PM	BS
66802	66426	NA	76-U20-SW	WS	076SW-0013-0001-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	27-Nov-2012 10:47 AM	30-Nov-2012 5:20 PM	N
	66426	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	27-Nov-2012 10:47 AM	30-Nov-2012 5:20 PM	MS
	66426	NA	76-U20-SW	WS	076SW-0013-0001-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	27-Nov-2012 10:47 AM	30-Nov-2012 5:35 PM	N
	66426	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	27-Nov-2012 10:47 AM	30-Nov-2012 5:35 PM	MS
	66426	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	27-Nov-2012 10:47 AM	30-Nov-2012 5:35 PM	SD
	66426	NA	76-U20-SW	WS	076SW-0013-0001-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	27-Nov-2012 10:47 AM	30-Nov-2012 5:50 PM	N
	66426	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	27-Nov-2012 10:47 AM	30-Nov-2012 5:50 PM	SD
	66426	NA	LABQC	WQ	LABQC	MB 240-66426/4-A		1/1	27-Nov-2012 10:47 AM	27-Nov-2012 10:47 AM	30-Nov-2012 6:05 PM	LB
	66426	NA	LABQC	WQ	LABQC	LCS 240-66426/5-A		1/1	27-Nov-2012 10:47 AM	27-Nov-2012 10:47 AM	30-Nov-2012 6:20 PM	BS
67173	66777	NA	76-U20-DU1-SB	SO	076SB-0053M-0001-SO	240-17796-9		1/1	15-Nov-2012 3:55 PM	29-Nov-2012 11:28 AM	04-Dec-2012 5:27 AM	N
	66777	NA	76-U20-DU1-SS	SO	076SS-0007M-0001-SO	240-17796-10		1/1	15-Nov-2012 3:45 PM	29-Nov-2012 11:28 AM	04-Dec-2012 5:42 AM	N
	66777	NA	LABQC	SQ	LABQC	MB 240-66777/20-A		1/1	29-Nov-2012 11:28 AM	29-Nov-2012 11:28 AM	04-Dec-2012 5:57 AM	LB
	66777	NA	76-U20-DU1-SB	SO	076SB-0054M-0001-SO	240-17796-11		1/1	15-Nov-2012 3:56 PM	29-Nov-2012 11:28 AM	04-Dec-2012 6:27 AM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8082; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67173	66777	NA	76-U20-DU1-SB1	SO	076SB-0055M-0001-SO	240-17796-12		1/1	15-Nov-2012 1:45 PM	29-Nov-2012 11:28 AM	04-Dec-2012 6:42 AM	N
	66777	NA	76-U20-DU1-SB2	SO	076SB-0056M-0001-SO	240-17796-13		1/1	15-Nov-2012 2:10 PM	29-Nov-2012 11:28 AM	04-Dec-2012 6:57 AM	N
	66777	NA	76-U20-DU1-SB3	SO	076SB-0057M-0001-SO	240-17796-14		1/1	15-Nov-2012 2:40 PM	29-Nov-2012 11:28 AM	04-Dec-2012 7:12 AM	N
	66777	NA	76-U20-DU1-SB4	SO	076SB-0058M-0001-SO	240-17796-15		1/1	15-Nov-2012 3:30 PM	29-Nov-2012 11:28 AM	04-Dec-2012 7:27 AM	N
	66777	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	29-Nov-2012 11:28 AM	04-Dec-2012 7:42 AM	N
	66777	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	29-Nov-2012 11:28 AM	04-Dec-2012 7:56 AM	MS
	66777	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	29-Nov-2012 11:28 AM	04-Dec-2012 8:11 AM	SD
	66777	NA	LABQC	SQ	LABQC	LCS 240-66777/21-A		1/1	29-Nov-2012 11:28 AM	29-Nov-2012 11:28 AM	04-Dec-2012 8:26 AM	BS

Test Method: SW8151; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67147	65729	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	20-Nov-2012 9:45 AM	04-Dec-2012 2:35 AM	N
	65729	NA	LABQC	WQ	LABQC	MB 240-65729/4-A		1/1	20-Nov-2012 9:45 AM	20-Nov-2012 9:45 AM	04-Dec-2012 2:58 AM	LB
	65729	NA	LABQC	WQ	LABQC	LCS 240-65729/5-A		1/1	20-Nov-2012 9:45 AM	20-Nov-2012 9:45 AM	04-Dec-2012 3:22 AM	BS

Test Method: SW8260B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66239	NA	NA	LABQC	SQ	LABQC	LCS 240-66239/7		1/1	26-Nov-2012 1:54 PM		26-Nov-2012 1:54 PM	BS
	NA	NA	LABQC	SQ	LABQC	MB 240-66239/8		1/1	26-Nov-2012 2:15 PM		26-Nov-2012 2:15 PM	LB
	66118	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	17-Nov-2012 8:00 AM	26-Nov-2012 5:29 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66239	66118	NA	76-U4-DU1-SB	SO	076SB-0024M-0001-SO	240-17796-3		1/1	15-Nov-2012 10:20 AM	17-Nov-2012 8:00 AM	26-Nov-2012 5:51 PM	N
	66118	NA	76-U4-DU1-SB1	SO	076SB-0025M-0001-SO	240-17796-4		1/1	15-Nov-2012 9:00 AM	17-Nov-2012 8:00 AM	26-Nov-2012 6:12 PM	N
	66118	NA	76-U4-DU1-SB2	SO	076SB-0026M-0001-SO	240-17796-5		1/1	15-Nov-2012 9:20 AM	17-Nov-2012 8:00 AM	26-Nov-2012 6:34 PM	N
	66118	NA	76-U4-DU1-SB3	SO	076SB-0027M-0001-SO	240-17796-6		1/1	15-Nov-2012 9:40 AM	17-Nov-2012 8:00 AM	26-Nov-2012 6:55 PM	N
	66118	NA	76-U4-DU1-SB4	SO	076SB-0028M-0001-SO	240-17796-7		1/1	15-Nov-2012 10:00 AM	17-Nov-2012 8:00 AM	26-Nov-2012 7:17 PM	N
	66118	NA	76-U4-DU1-SB5	SO	076SB-0029M-0001-SO	240-17796-8		1/1	15-Nov-2012 10:25 AM	17-Nov-2012 8:00 AM	26-Nov-2012 7:38 PM	N
	66118	NA	76-A3-DU1-SB	SO	076SB-0060M-0001-SO	240-17796-22		1/1	15-Nov-2012 5:35 PM	17-Nov-2012 8:00 AM	26-Nov-2012 8:00 PM	N
	66118	NA	76-A3-DU1-SB	SO	076SB-0061M-0001-SO	240-17796-23		1/1	15-Nov-2012 5:36 PM	17-Nov-2012 8:00 AM	26-Nov-2012 8:21 PM	N
	66118	NA	76-A3-DU1-SB1	SO	076SB-0062M-0001-SO	240-17796-24		1/1	15-Nov-2012 5:05 PM	17-Nov-2012 8:00 AM	26-Nov-2012 8:43 PM	N
	66118	NA	76-A3-DU1-SB2	SO	076SB-0063M-0001-SO	240-17796-25		1/1	15-Nov-2012 5:15 PM	17-Nov-2012 8:00 AM	26-Nov-2012 9:05 PM	N
	66118	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/1	15-Nov-2012 5:25 PM	17-Nov-2012 8:00 AM	26-Nov-2012 9:26 PM	N
	66118	NA	76-A3-DU1-SB4	SO	076SB-0065M-0001-SO	240-17796-27		1/1	15-Nov-2012 5:40 PM	17-Nov-2012 8:00 AM	26-Nov-2012 9:48 PM	N
	66118	NA	76-A3-DU1-SB5	SO	076SB-0066M-0001-SO	240-17796-28		1/1	15-Nov-2012 4:50 PM	17-Nov-2012 8:00 AM	26-Nov-2012 10:09 PM	N
65929	65929	NA	LABQC	WQ	LABQC	LCS 240-65929/4		1/1	21-Nov-2012 11:14 AM	21-Nov-2012 11:14 AM	21-Nov-2012 11:14 AM	BS
	65929	NA	LABQC	WQ	LABQC	MB 240-65929/6		1/1	21-Nov-2012 11:58 AM	21-Nov-2012 11:58 AM	21-Nov-2012 11:58 AM	LB
	65929	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	21-Nov-2012 1:47 PM	21-Nov-2012 1:47 PM	N
	65929	NA	76-A3-DU1-SB4	WG	076-0068-0001-TB	240-17796-21		1/1	15-Nov-2012 8:00 AM	21-Nov-2012 2:31 PM	21-Nov-2012 2:31 PM	N
	65929	NA	76-U10-DU1-SB5	WG	076SB-0052M-0001-TB	240-17796-37		1/1	15-Nov-2012 8:00 AM	21-Nov-2012 2:54 PM	21-Nov-2012 2:54 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8260B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
65929	65929	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	21-Nov-2012 4:46 PM	21-Nov-2012 4:46 PM	MS
	65929	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	21-Nov-2012 5:08 PM	21-Nov-2012 5:08 PM	SD

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
66717	65893	NA	LABQC	WQ	LABQC	MB 240-65893/5-A		1/1	21-Nov-2012 9:42 AM	21-Nov-2012 9:42 AM	29-Nov-2012 10:13 AM	LB
	65893	NA	LABQC	WQ	LABQC	LCS 240-65893/6-A		1/1	21-Nov-2012 9:42 AM	21-Nov-2012 9:42 AM	29-Nov-2012 10:37 AM	BS
	65893	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	21-Nov-2012 9:42 AM	29-Nov-2012 11:46 AM	N
67225	66393	NA	LABQC	SQ	LABQC	MB 240-66393/23-A		1/1	27-Nov-2012 9:03 AM	27-Nov-2012 9:03 AM	04-Dec-2012 10:08 AM	LB
	66393	NA	LABQC	SQ	LABQC	LCS 240-66393/24-A		1/1	27-Nov-2012 9:03 AM	27-Nov-2012 9:03 AM	04-Dec-2012 10:32 AM	BS
	66393	NA	76-A3-DU1-SB2	SO	076SB-0063M-0001-SO	240-17796-25		1/1	15-Nov-2012 5:15 PM	27-Nov-2012 9:03 AM	04-Dec-2012 11:43 AM	N
	66393	NA	76-A3-DU1-SB2	SO	076SB-0063M-0001-SO	240-17796-25		1/1	15-Nov-2012 5:15 PM	27-Nov-2012 9:03 AM	04-Dec-2012 12:07 PM	MS
	66393	NA	76-A3-DU1-SB2	SO	076SB-0063M-0001-SO	240-17796-25		1/1	15-Nov-2012 5:15 PM	27-Nov-2012 9:03 AM	04-Dec-2012 12:30 PM	SD
	66393	NA	76-U20-DU1-SS	SO	076SS-0007M-0001-SO	240-17796-10		1/5	15-Nov-2012 3:45 PM	27-Nov-2012 9:03 AM	04-Dec-2012 12:54 PM	N
	66393	NA	76-U20-DU1-SB	SO	076SB-0054M-0001-SO	240-17796-11		1/5	15-Nov-2012 3:56 PM	27-Nov-2012 9:03 AM	04-Dec-2012 1:18 PM	N
	66393	NA	76-U20-DU1-SB1	SO	076SB-0055M-0001-SO	240-17796-12		1/5	15-Nov-2012 1:45 PM	27-Nov-2012 9:03 AM	04-Dec-2012 1:42 PM	N
	66393	NA	76-A3-DU1-SB	SO	076SB-0060M-0001-SO	240-17796-22		1/5	15-Nov-2012 5:35 PM	27-Nov-2012 9:03 AM	04-Dec-2012 2:05 PM	N
	66393	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	27-Nov-2012 9:03 AM	04-Dec-2012 2:29 PM	N
	66393	NA	76-U4-DU1-SB5	SO	076SB-0029M-0001-SO	240-17796-8		1/1	15-Nov-2012 10:25 AM	27-Nov-2012 9:03 AM	04-Dec-2012 2:53 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8270C; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67225	66393	NA	76-U20-DU1-SB2	SO	076SB-0056M-0001-SO	240-17796-13		1/1	15-Nov-2012 2:10 PM	27-Nov-2012 9:03 AM	04-Dec-2012 3:16 PM	N
	66393	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	27-Nov-2012 9:03 AM	04-Dec-2012 3:40 PM	N
	66393	NA	76-U20-DU1-SB3	SO	076SB-0057M-0001-SO	240-17796-14		1/1	15-Nov-2012 2:40 PM	27-Nov-2012 9:03 AM	04-Dec-2012 4:04 PM	N
	66393	NA	76-U20-DU1-SB4	SO	076SB-0058M-0001-SO	240-17796-15		1/1	15-Nov-2012 3:30 PM	27-Nov-2012 9:03 AM	04-Dec-2012 4:28 PM	N
	66393	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	27-Nov-2012 9:03 AM	04-Dec-2012 4:51 PM	N
	66393	NA	76-A3-DU1-SB1	SO	076SB-0062M-0001-SO	240-17796-24		1/1	15-Nov-2012 5:05 PM	27-Nov-2012 9:03 AM	04-Dec-2012 5:15 PM	N
	66393	NA	76-U4-DU1-SB2	SO	076SB-0026M-0001-SO	240-17796-5		1/1	15-Nov-2012 9:20 AM	27-Nov-2012 9:03 AM	04-Dec-2012 5:39 PM	N
	66393	NA	76-U4-DU1-SB3	SO	076SB-0027M-0001-SO	240-17796-6		1/1	15-Nov-2012 9:40 AM	27-Nov-2012 9:03 AM	04-Dec-2012 6:02 PM	N
67390	66393	NA	76-U20-DU1-SB	SO	076SB-0053M-0001-SO	240-17796-9		1/2.5	15-Nov-2012 3:55 PM	27-Nov-2012 9:03 AM	05-Dec-2012 4:54 PM	N
	66393	NA	76-U4-DU1-SB4	SO	076SB-0028M-0001-SO	240-17796-7		1/2.5	15-Nov-2012 10:00 AM	27-Nov-2012 9:03 AM	05-Dec-2012 5:17 PM	N
	66393	NA	76-A3-DU1-SB	SO	076SB-0061M-0001-SO	240-17796-23		1/2.5	15-Nov-2012 5:36 PM	27-Nov-2012 9:03 AM	05-Dec-2012 5:41 PM	N
	66393	NA	76-U4-DU1-SB	SO	076SB-0024M-0001-SO	240-17796-3		1/2.5	15-Nov-2012 10:20 AM	27-Nov-2012 9:03 AM	05-Dec-2012 6:04 PM	N
	66393	NA	76-U4-DU1-SB1	SO	076SB-0025M-0001-SO	240-17796-4		1/2.5	15-Nov-2012 9:00 AM	27-Nov-2012 9:03 AM	05-Dec-2012 6:27 PM	N
67544	66569	NA	LABQC	SQ	LABQC	MB 240-66569/21-A		1/1	28-Nov-2012 9:47 AM	28-Nov-2012 9:47 AM	06-Dec-2012 10:08 AM	LB
	66569	NA	LABQC	SQ	LABQC	LCS 240-66569/22-A		1/1	28-Nov-2012 9:47 AM	28-Nov-2012 9:47 AM	06-Dec-2012 10:31 AM	BS
	66569	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/10	15-Nov-2012 5:25 PM	28-Nov-2012 9:47 AM	06-Dec-2012 12:04 PM	N
	66569	NA	76-A3-DU1-SB5	SO	076SB-0066M-0001-SO	240-17796-28		1/10	15-Nov-2012 4:50 PM	28-Nov-2012 9:47 AM	06-Dec-2012 12:27 PM	N
	66569	NA	76-U10-DU1-SB1	SO	076SB-0047M-0001-SO	240-17796-32		1/10	15-Nov-2012 11:11 AM	28-Nov-2012 9:47 AM	06-Dec-2012 12:51 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8270C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
67544	66569	NA	76-U10-DU1-SB3	SO	076SB-0049M-0001-SO	240-17796-34		1/10	15-Nov-2012 12:05 PM	28-Nov-2012 9:47 AM	06-Dec-2012 1:14 PM	N
	66569	NA	76-U10-DU1-SB	SO	076SB-0045M-0001-SO	240-17796-30		1/10	15-Nov-2012 12:26 PM	28-Nov-2012 9:47 AM	06-Dec-2012 1:37 PM	N
	66569	NA	76-A3-DU1-SB4	SO	076SB-0065M-0001-SO	240-17796-27		1/2.5	15-Nov-2012 5:40 PM	28-Nov-2012 9:47 AM	06-Dec-2012 2:47 PM	N
	66569	NA	76-U10-DU1-SB	SO	076SB-0044M-0001-SO	240-17796-29		1/2.5	15-Nov-2012 12:25 PM	28-Nov-2012 9:47 AM	06-Dec-2012 3:10 PM	N
	66569	NA	76-U10-DU1-SB1	SO	076SB-0046M-0001-SO	240-17796-31		1/2.5	15-Nov-2012 10:50 AM	28-Nov-2012 9:47 AM	06-Dec-2012 3:33 PM	N
	66569	NA	76-U10-DU1-SB4	SO	076SB-0050M-0001-SO	240-17796-35		1/2.5	15-Nov-2012 12:30 PM	28-Nov-2012 9:47 AM	06-Dec-2012 3:56 PM	N
67761	66569	NA	76-U10-DU1-SB5	SO	076SB-0051M-0001-SO	240-17796-36		1/1	15-Nov-2012 12:10 PM	28-Nov-2012 9:47 AM	07-Dec-2012 12:51 PM	N
67368	66734	NA	LABQC	SQ	LABQC	MB 240-66734/4-A		1/1	29-Nov-2012 9:51 AM	29-Nov-2012 9:51 AM	05-Dec-2012 10:12 AM	LB
	66734	NA	LABQC	SQ	LABQC	LCS 240-66734/5-A		1/1	29-Nov-2012 9:51 AM	29-Nov-2012 9:51 AM	05-Dec-2012 10:37 AM	BS
	66734	NA	76-U10-DU1-SB2	SO	076SB-0048M-0001-SO	240-17796-33		1/1	15-Nov-2012 11:40 AM	29-Nov-2012 10:26 AM	05-Dec-2012 1:05 PM	FD
68148	67600	NA	LABQC	SQ	LABQC	MB 240-67600/22-A		1/1	06-Dec-2012 10:45 AM	06-Dec-2012 10:45 AM	11-Dec-2012 12:44 PM	LB
	67600	NA	LABQC	SQ	LABQC	LCS 240-67600/23-A		1/1	06-Dec-2012 10:45 AM	06-Dec-2012 10:45 AM	11-Dec-2012 1:07 PM	BS
	67600	NA	76-U10-DU1-SB2	SO	076SB-0048M-0001-SO	240-17796-33		2/1	15-Nov-2012 11:40 AM	06-Dec-2012 10:45 AM	11-Dec-2012 3:27 PM	FD

Test Method: SW8330B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6772	6172	NA	LABQC	WQ	LABQC	MB 320-6172/1-A		1/1	20-Nov-2012 12:14 PM	20-Nov-2012 12:14 PM	04-Dec-2012 1:40 PM	LB
	6172	NA	LABQC	WQ	LABQC	LCS 320-6172/2-A		1/1	20-Nov-2012 12:14 PM	20-Nov-2012 12:14 PM	04-Dec-2012 2:20 PM	BS
	6172	NA	76-U20-SW	WS	076SW-0013-0001-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 3:00 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6772	6172	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 3:00 PM	MS
	6172	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 3:41 PM	MS
	6172	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 3:41 PM	SD
	6172	NA	76-U20-SW	WS	076SW-0013-0001-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 4:21 PM	N
	6172	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 4:21 PM	MS
	6172	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 4:21 PM	SD
	6172	NA	76-U20-SW	WS	076SW-0014-0001-SW	240-17796-18		1/1	08-Nov-2012 2:30 PM	20-Nov-2012 12:14 PM	04-Dec-2012 5:01 PM	FD
	6172	NA	76-U20-SW2	WS	076SW-0015-0001-SW	240-17796-19		1/1	08-Nov-2012 3:00 PM	20-Nov-2012 12:14 PM	04-Dec-2012 5:41 PM	N
	6172	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		1/1	15-Nov-2012 1:00 PM	20-Nov-2012 12:14 PM	04-Dec-2012 6:22 PM	N
7240	6559	NA	LABQC	SQ	LABQC	MB 320-6559/1-A		1/1	29-Nov-2012 8:10 AM	29-Nov-2012 8:10 AM	11-Dec-2012 4:47 PM	LB
	6559	NA	LABQC	SQ	LABQC	LCS 320-6559/2-A		1/1	29-Nov-2012 8:10 AM	29-Nov-2012 8:10 AM	11-Dec-2012 5:27 PM	BS
	6559	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		2/1	15-Nov-2012 12:25 PM	29-Nov-2012 8:10 AM	11-Dec-2012 6:07 PM	N
	6559	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		2/1	15-Nov-2012 12:25 PM	29-Nov-2012 8:10 AM	11-Dec-2012 6:48 PM	MS
	6559	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		2/1	15-Nov-2012 12:25 PM	29-Nov-2012 8:10 AM	11-Dec-2012 7:28 PM	SD
	6559	NA	76-U20-DU1-SB	SO	076SB-0053M-0001-SO	240-17796-9		2/1	15-Nov-2012 3:55 PM	29-Nov-2012 8:10 AM	11-Dec-2012 8:08 PM	N
	6559	NA	76-U20-DU1-SS	SO	076SS-0007M-0001-SO	240-17796-10		2/1	15-Nov-2012 3:45 PM	29-Nov-2012 8:10 AM	11-Dec-2012 8:48 PM	N
	6559	NA	76-U20-DU1-SB	SO	076SB-0054M-0001-SO	240-17796-11		2/1	15-Nov-2012 3:56 PM	29-Nov-2012 8:10 AM	11-Dec-2012 9:28 PM	N
	6559	NA	76-U20-DU1-SB1	SO	076SB-0055M-0001-SO	240-17796-12		2/1	15-Nov-2012 1:45 PM	29-Nov-2012 8:10 AM	11-Dec-2012 10:09 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
7240	6559	NA	76-U20-DU1-SB2	SO	076SB-0056M-0001-SO	240-17796-13		2/1	15-Nov-2012 2:10 PM	29-Nov-2012 8:10 AM	11-Dec-2012 10:49 PM	N
	6559	NA	76-U20-DU1-SB3	SO	076SB-0057M-0001-SO	240-17796-14		2/1	15-Nov-2012 2:40 PM	29-Nov-2012 8:10 AM	12-Dec-2012 12:09 AM	N
	6559	NA	76-U20-DU1-SB4	SO	076SB-0058M-0001-SO	240-17796-15		2/1	15-Nov-2012 3:30 PM	29-Nov-2012 8:10 AM	12-Dec-2012 12:49 AM	N
	6559	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		2/1	15-Nov-2012 4:00 PM	29-Nov-2012 8:10 AM	12-Dec-2012 1:29 AM	N
	6559	NA	76-U10-DU1-SB	SO	076SB-0044M-0001-SO	240-17796-29		2/1	15-Nov-2012 12:25 PM	29-Nov-2012 8:10 AM	12-Dec-2012 2:10 AM	N
	6559	NA	76-U10-DU1-SB	SO	076SB-0045M-0001-SO	240-17796-30		2/1	15-Nov-2012 12:26 PM	29-Nov-2012 8:10 AM	12-Dec-2012 2:50 AM	N
	6559	NA	76-U10-DU1-SB1	SO	076SB-0046M-0001-SO	240-17796-31		2/1	15-Nov-2012 10:50 AM	29-Nov-2012 8:10 AM	12-Dec-2012 3:30 AM	N
	6559	NA	76-U10-DU1-SB1	SO	076SB-0047M-0001-SO	240-17796-32		3/1	15-Nov-2012 11:11 AM	29-Nov-2012 8:10 AM	12-Dec-2012 4:11 AM	N
	6559	NA	76-U10-DU1-SB2	SO	076SB-0048M-0001-SO	240-17796-33		2/1	15-Nov-2012 11:40 AM	29-Nov-2012 8:10 AM	12-Dec-2012 4:51 AM	FD
	6559	NA	76-U10-DU1-SB3	SO	076SB-0049M-0001-SO	240-17796-34		2/1	15-Nov-2012 12:05 PM	29-Nov-2012 8:10 AM	12-Dec-2012 5:31 AM	N
	6559	NA	76-U10-DU1-SB4	SO	076SB-0050M-0001-SO	240-17796-35		2/1	15-Nov-2012 12:30 PM	29-Nov-2012 8:10 AM	12-Dec-2012 6:12 AM	N
	6559	NA	76-U10-DU1-SB5	SO	076SB-0051M-0001-SO	240-17796-36		2/1	15-Nov-2012 12:10 PM	29-Nov-2012 8:10 AM	12-Dec-2012 7:32 AM	N
6888	6579	NA	LABQC	SQ	LABQC	MB 320-6579/1-A		1/1	29-Nov-2012 10:14 AM	29-Nov-2012 10:14 AM	05-Dec-2012 8:16 PM	LB
	6579	NA	LABQC	SQ	LABQC	LCS 320-6579/2-A		1/1	29-Nov-2012 10:14 AM	29-Nov-2012 10:14 AM	05-Dec-2012 8:30 PM	BS
	6579	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	29-Nov-2012 10:14 AM	05-Dec-2012 8:44 PM	N
	6579	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	29-Nov-2012 10:14 AM	05-Dec-2012 8:58 PM	MS
	6579	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	29-Nov-2012 10:14 AM	05-Dec-2012 9:13 PM	SD
	6579	NA	76-U20-DU1-SB	SO	076SB-0053M-0001-SO	240-17796-9		1/1	15-Nov-2012 3:55 PM	29-Nov-2012 10:14 AM	05-Dec-2012 9:27 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6888	6579	NA	76-U20-DU1-SS	SO	076SS-0007M-0001-SO	240-17796-10		1/1	15-Nov-2012 3:45 PM	29-Nov-2012 10:14 AM	05-Dec-2012 9:41 PM	N
	6579	NA	76-U20-DU1-SB	SO	076SB-0054M-0001-SO	240-17796-11		1/1	15-Nov-2012 3:56 PM	29-Nov-2012 10:14 AM	05-Dec-2012 9:56 PM	N
	6579	NA	76-U20-DU1-SB1	SO	076SB-0055M-0001-SO	240-17796-12		1/1	15-Nov-2012 1:45 PM	29-Nov-2012 10:14 AM	05-Dec-2012 10:10 PM	N
	6579	NA	76-U20-DU1-SB2	SO	076SB-0056M-0001-SO	240-17796-13		1/1	15-Nov-2012 2:10 PM	29-Nov-2012 10:14 AM	05-Dec-2012 10:24 PM	N
	6579	NA	76-U20-DU1-SB3	SO	076SB-0057M-0001-SO	240-17796-14		1/1	15-Nov-2012 2:40 PM	29-Nov-2012 10:14 AM	05-Dec-2012 10:53 PM	N
	6579	NA	76-U20-DU1-SB4	SO	076SB-0058M-0001-SO	240-17796-15		1/1	15-Nov-2012 3:30 PM	29-Nov-2012 10:14 AM	05-Dec-2012 11:07 PM	N
	6579	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	29-Nov-2012 10:14 AM	05-Dec-2012 11:22 PM	N
	6579	NA	76-U10-DU1-SB	SO	076SB-0044M-0001-SO	240-17796-29		1/1	15-Nov-2012 12:25 PM	29-Nov-2012 10:14 AM	05-Dec-2012 11:36 PM	N
	6579	NA	76-U10-DU1-SB	SO	076SB-0045M-0001-SO	240-17796-30		1/1	15-Nov-2012 12:26 PM	29-Nov-2012 10:14 AM	05-Dec-2012 11:50 PM	N
	6579	NA	76-U10-DU1-SB1	SO	076SB-0046M-0001-SO	240-17796-31		1/1	15-Nov-2012 10:50 AM	29-Nov-2012 10:14 AM	06-Dec-2012 12:04 AM	N
	6579	NA	76-U10-DU1-SB1	SO	076SB-0047M-0001-SO	240-17796-32		1/1	15-Nov-2012 11:11 AM	29-Nov-2012 10:14 AM	06-Dec-2012 12:19 AM	N
	6579	NA	76-U10-DU1-SB2	SO	076SB-0048M-0001-SO	240-17796-33		1/1	15-Nov-2012 11:40 AM	29-Nov-2012 10:14 AM	06-Dec-2012 12:33 AM	FD
	6579	NA	76-U10-DU1-SB3	SO	076SB-0049M-0001-SO	240-17796-34		1/1	15-Nov-2012 12:05 PM	29-Nov-2012 10:14 AM	06-Dec-2012 12:47 AM	N
	6579	NA	76-U10-DU1-SB4	SO	076SB-0050M-0001-SO	240-17796-35		1/1	15-Nov-2012 12:30 PM	29-Nov-2012 10:14 AM	06-Dec-2012 1:02 AM	N
	6579	NA	76-U10-DU1-SB5	SO	076SB-0051M-0001-SO	240-17796-36		1/1	15-Nov-2012 12:10 PM	29-Nov-2012 10:14 AM	06-Dec-2012 1:30 AM	N
7142	6579	NA	LABQC	SQ	LABQC	MB 320-6579/1-A		2/1	29-Nov-2012 10:14 AM	29-Nov-2012 10:14 AM	10-Dec-2012 1:25 PM	LB
6888	6878	NA	LABQC	WQ	LABQC	MB 320-6878/1-A		1/1	05-Dec-2012 7:38 AM	05-Dec-2012 7:38 AM	06-Dec-2012 1:45 AM	LB
	6878	NA	LABQC	WQ	LABQC	LCS 320-6878/2-A		1/1	05-Dec-2012 7:38 AM	05-Dec-2012 7:38 AM	06-Dec-2012 1:59 AM	BS

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Batch Report

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
6888	6878	NA	76-U20-SW	WS	076SW-0013-0001-SW	240-17796-17		2/1	08-Nov-2012 2:30 PM	05-Dec-2012 7:38 AM	06-Dec-2012 2:13 AM	N
	6878	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		2/1	08-Nov-2012 2:30 PM	05-Dec-2012 7:38 AM	06-Dec-2012 2:28 AM	SD
	6878	NA	76-U20-SW	WS	076SW-0013-0002-SW	240-17796-17		2/1	08-Nov-2012 2:30 PM	05-Dec-2012 7:38 AM	06-Dec-2012 2:42 AM	MS
	6878	NA	76-U20-SW	WS	076SW-0014-0001-SW	240-17796-18		2/1	08-Nov-2012 2:30 PM	05-Dec-2012 7:38 AM	06-Dec-2012 2:56 AM	FD
	6878	NA	76-U20-SW2	WS	076SW-0015-0001-SW	240-17796-19		2/1	08-Nov-2012 3:00 PM	05-Dec-2012 7:38 AM	06-Dec-2012 3:10 AM	N
	6878	NA	76-A3-DU1-SB5	WG	076-0067-0001-ER	240-17796-20		2/1	15-Nov-2012 1:00 PM	05-Dec-2012 7:38 AM	06-Dec-2012 3:25 AM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Field Batch Report

--No Records Found--

QC Outliers Report

--No Records Found--

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
M8015V/NONE	WG	076-0067-0001-ER	240-17796-20	N	Petroleum Hydrocarbons C6-C12	100	33.0	33.0 J		UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Antimony	2.0	0.34	0.34 J		UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Chromium	2.0	0.60	0.60 J		UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Manganese	5.0	3.5	3.5 J		UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Thallium	2.0	0.75	0.75 J		UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Zinc	40.0	10.0	10.0 J		UG/L	TR
SW7471A/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Mercury	0.098	0.038	0.038 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Mercury	0.098	0.028	0.028 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Mercury	0.091	0.029	0.029 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Mercury	0.094	0.027	0.027 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Mercury	0.097	0.042	0.042 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Mercury	0.10	0.026	0.026 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Mercury	0.094	0.036	0.036 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Mercury	0.098	0.027	0.027 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Mercury	0.094	0.016	0.016 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Mercury	0.095	0.017	0.017 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Mercury	0.094	0.021	0.021 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW7471A/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Mercury	0.092	0.021	0.021 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Mercury	0.097	0.014	0.014 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Mercury	0.097	0.018	0.018 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Mercury	0.097	0.026	0.026 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Mercury	0.10	0.017	0.017 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Mercury	0.097	0.028	0.028 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Mercury	0.10	0.024	0.024 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Mercury	0.12	0.028	0.028 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Mercury	0.098	0.027	0.027 J		MG/KG	TR
SW7471A/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Mercury	0.097	0.043	0.043 J		MG/KG	TR
SW7471A/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Mercury	0.095	0.045	0.045 J		MG/KG	TR
SW7471A/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Mercury	0.092	0.033	0.033 J		MG/KG	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8082/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	PCB-1260 (Arochlor 1260)	56.0	24.0	24.0 J		UG/KG	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8151/NONE	WG	076-0067-0001-ER	240-17796-20	N	MCPA	400	400	400 UJ		UG/L	J
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	WG	076-0067-0001-ER	240-17796-20	N	Acetone	10.0	10.0	10.0 UJ		UG/L	J
SW8260B/NONE	WG	076-0067-0001-ER	240-17796-20	N	Chloroform	1.0	0.61	0.61 J		UG/L	TR
SW8260B/NONE	WG	076-0067-0001-ER	240-17796-20	N	Methylene Chloride	1.0	0.36	1.0 U		UG/L	L
SW8260B/NONE	WG	076-0067-0001-ER	240-17796-20	N	Styrene	1.0	1.0	1.0 UJ		UG/L	J
SW8260B/NONE	WG	076-0068-0001-TB	240-17796-21	N	Acetone	10.0	10.0	10.0 UJ		UG/L	J
SW8260B/NONE	WG	076-0068-0001-TB	240-17796-21	N	Methylene Chloride	1.0	0.84	1.0 U		UG/L	L
SW8260B/NONE	WG	076-0068-0001-TB	240-17796-21	N	Styrene	1.0	1.0	1.0 UJ		UG/L	J
SW8260B/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	2-Butanone (MEK)	18.0	1.5	1.5 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	2-Butanone (MEK)	24.0	2.3	2.3 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Acetone	24.0	13.0	24.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	2-Butanone (MEK)	17.0	1.4	1.4 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Acetone	17.0	7.5	17.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Carbon Disulfide	4.2	2.4	2.4 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Acetone	17.0	5.9	17.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Methylene Chloride	5.1	0.69	0.69 J		UG/KG	TR/J
SW8260B/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Carbon Disulfide	4.9	2.9	2.9 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	2-Butanone (MEK)	24.0	9.6	9.6 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Acetone	24.0	51.0	24.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Carbon Disulfide	6.0	3.5	3.5 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Methylene Chloride	6.0	1.3	1.3 J		UG/KG	TR/J
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Toluene	6.0	0.33	0.33 J		UG/KG	TR
SW8260B/NONE	WG	076SB-0052M-0001-TB	240-17796-37	N	Acetone	10.0	10.0	10.0 UJ		UG/L	J
SW8260B/NONE	WG	076SB-0052M-0001-TB	240-17796-37	N	Methylene Chloride	1.0	0.77	1.0 U		UG/L	L
SW8260B/NONE	WG	076SB-0052M-0001-TB	240-17796-37	N	Styrene	1.0	1.0	1.0 UJ		UG/L	J
SW8260B/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Acetone	21.0	8.7	21.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Carbon Disulfide	5.2	3.1	3.1 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	2-Butanone (MEK)	9.7	4.3	4.3 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Acetone	9.7	57.0	9.7 U		UG/KG	L
SW8260B/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Carbon Disulfide	2.4	1.4	1.4 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	2-Butanone (MEK)	18.0	1.3	1.3 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Acetone	18.0	9.9	18.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	2-Butanone (MEK)	23.0	13.0	13.0 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Acetone	23.0	59.0	23.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Carbon Disulfide	5.9	3.5	3.5 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Ethylbenzene	5.9	2.4	2.4 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Toluene	5.9	1.0	1.0 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	2-Butanone (MEK)	17.0	2.4	2.4 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Acetone	17.0	28.0	17.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Carbon Disulfide	4.2	2.6	2.6 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	2-Butanone (MEK)	21.0	1.7	1.7 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Acetone	21.0	15.0	21.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Carbon Disulfide	5.3	3.2	3.2 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	2-Butanone (MEK)	18.0	7.3	7.3 J		UG/KG	TR
SW8260B/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Acetone	18.0	66.0	18.0 U		UG/KG	L
SW8260B/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Methylene Chloride	4.6	0.91	0.91 J		UG/KG	TR/J
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	WG	076-0067-0001-ER	240-17796-20	N	3,3'-Dichlorobenzidine	4.9	4.9	4.9 UJ		UG/L	V1
SW8270C/NONE	WG	076-0067-0001-ER	240-17796-20	N	n-Nitrosodiphenylamine	0.97	0.97	0.97 UJ		UG/L	J
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Anthracene	6.7	5.0	5.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Benzo(k)fluoranthene	6.7	6.0	6.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	bis(2-Ethylhexyl) Phthalate	50.0	31.0	31.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Dibenzofuran	50.0	7.1	7.1 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Fluorene	6.7	4.6	4.6 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Isophorone	50.0	14.0	14.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	bis(2-Ethylhexyl) Phthalate	120	58.0	58.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	bis(2-Ethylhexyl) Phthalate	130	48.0	48.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Acenaphthene	6.8	5.8	5.8 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	bis(2-Ethylhexyl) Phthalate	51.0	30.0	30.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Dibenzofuran	51.0	7.2	7.2 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	n-Nitrosodiphenylamine	51.0	51.0	51.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	2-Methylnaphthalene	6.7	6.4	6.4 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	bis(2-Ethylhexyl) Phthalate	50.0	26.0	26.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Fluoranthene	6.7	6.0	6.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Naphthalene	6.7	6.3	6.3 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 UJ		UG/KG	J

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Pyrene	6.7	4.1	4.1 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	bis(2-Ethylhexyl) Phthalate	50.0	38.0	38.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Carbazole	50.0	28.0	28.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Dibenzofuran	50.0	36.0	36.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0048M-0001-SO	240-17796-33	FD	bis(2-Ethylhexyl) Phthalate	50.0	24.0	24.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0048M-0001-SO	240-17796-33	FD	Phenanthrene	6.6	3.5	3.5 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0050M-0001-SO	240-17796-35	N	bis(2-Ethylhexyl) Phthalate	120	47.0	47.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	Benzo(b)fluoranthene	8.4	4.2	4.2 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	bis(2-Ethylhexyl) Phthalate	63.0	29.0	29.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	n-Nitrosodiphenylamine	63.0	63.0	63.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	Pyrene	8.4	6.7	6.7 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	bis(2-Ethylhexyl) Phthalate	130	55.0	55.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	2,4-Dinitrophenol	1700	1700	1700 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	n-Nitrosodiphenylamine	250	250	250 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	2,4-Dinitrophenol	1700	1700	1700 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	n-Nitrosodiphenylamine	250	250	250 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	2-Methylnaphthalene	6.8	4.7	4.7 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	bis(2-Ethylhexyl) Phthalate	51.0	26.0	26.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Naphthalene	6.8	3.8	3.8 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	n-Nitrosodiphenylamine	51.0	51.0	51.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	2-Methylnaphthalene	6.7	6.2	6.2 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	bis(2-Ethylhexyl) Phthalate	51.0	24.0	24.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Naphthalene	6.7	5.1	5.1 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	n-Nitrosodiphenylamine	51.0	51.0	51.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Pyrene	6.7	5.6	5.6 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Benzo(b)fluoranthene	6.7	4.2	4.2 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Benzo(g,h,i)perylene	6.7	5.1	5.1 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	bis(2-Ethylhexyl) Phthalate	50.0	35.0	35.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Pyrene	6.7	5.8	5.8 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	2,4-Dinitrophenol	340	340	340 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Benzo(b)fluoranthene	6.8	4.2	4.2 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	bis(2-Ethylhexyl) Phthalate	51.0	27.0	27.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Fluoranthene	6.8	4.0	4.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Naphthalene	6.8	6.2	6.2 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	n-Nitrosodiphenylamine	51.0	51.0	51.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Phenanthrene	6.8	5.8	5.8 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Pyrene	6.8	4.8	4.8 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	2,4-Dinitrophenol	1700	1700	1700 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Acenaphthylene	34.0	18.0	18.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Anthracene	34.0	17.0	17.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Naphthalene	34.0	24.0	24.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	n-Nitrosodiphenylamine	250	250	250 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	bis(2-Ethylhexyl) Phthalate	130	54.0	54.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	2-Methylnaphthalene	6.6	4.5	4.5 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Benzo(b)fluoranthene	6.6	5.4	5.4 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	bis(2-Ethylhexyl) Phthalate	49.0	26.0	26.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Fluoranthene	6.6	6.2	6.2 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Naphthalene	6.6	4.6	4.6 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	n-Nitrosodiphenylamine	49.0	49.0	49.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Phenanthrene	6.6	5.1	5.1 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Pyrene	6.6	4.7	4.7 J		UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	4,6-Dinitro-2-Methylphenol	150	150	150 UJ		UG/KG	M
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Benzo(b)fluoranthene	6.6	5.7	5.7 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	bis(2-Ethylhexyl) Phthalate	50.0	25.0	25.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 UJ		UG/KG	J
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Pyrene	6.6	5.8	5.8 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Benzo(k)fluoranthene	17.0	9.4	9.4 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	bis(2-Ethylhexyl) Phthalate	130	50.0	50.0 J		UG/KG	TR
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Benzo(k)fluoranthene	67.0	45.0	45.0 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	2,4-Dinitrophenol	1700	1700	1700 UJ		UG/KG	J
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	2-Methylnaphthalene	34.0	27.0	27.0 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Benzo(g,h,i)perylene	34.0	30.0	30.0 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Benzo(k)fluoranthene	34.0	22.0	22.0 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Naphthalene	34.0	26.0	26.0 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	n-Nitrosodiphenylamine	250	250	250 UJ		UG/KG	J
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	2,4-Dinitrophenol	330	330	330 UJ		UG/KG	J
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Anthracene	6.6	5.0	5.0 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	bis(2-Ethylhexyl) Phthalate	50.0	29.0	29.0 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Dibenzofuran	50.0	8.7	8.7 J		UG/KG	TR
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	n-Nitrosodiphenylamine	50.0	50.0	50.0 UJ		UG/KG	J
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8330B/NONE	SO	076SB-0047M-0001-SO	240-17796-32	N	NITROGUANIDINE	0.24	0.036	0.036 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
M8015V/NONE	WG	076-0067-0001-ER	240-17796-20	N	Petroleum Hydrocarbons C6-C12	100	33.0	33.0 J	UG/L	TR

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Chromium	2.0	0.60	0.60 J	UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Manganese	5.0	3.5	3.5 J	UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Nickel	5.0	20.0	20.0	UG/L	
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Antimony	2.0	0.34	0.34 J	UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Thallium	2.0	0.75	0.75 J	UG/L	TR
SW6020/NONE	WG	076-0067-0001-ER	240-17796-20	N	Zinc	40.0	10.0	10.0 J	UG/L	TR

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW7471A/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Mercury	0.098	0.038	0.038 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Mercury	0.098	0.028	0.028 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Mercury	0.091	0.029	0.029 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Mercury	0.094	0.027	0.027 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Mercury	0.097	0.042	0.042 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Mercury	0.10	0.026	0.026 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Mercury	0.094	0.036	0.036 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Mercury	0.098	0.027	0.027 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Mercury	0.094	0.016	0.016 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Mercury	0.095	0.017	0.017 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Mercury	0.094	0.021	0.021 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Mercury	0.092	0.021	0.021 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Mercury	0.097	0.014	0.014 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Mercury	0.097	0.018	0.018 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Mercury	0.097	0.026	0.026 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Mercury	0.10	0.017	0.017 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Mercury	0.097	0.028	0.028 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Mercury	0.10	0.024	0.024 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Mercury	0.12	0.028	0.028 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW7471A/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Mercury	0.098	0.027	0.027 J	MG/KG	TR
SW7471A/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Mercury	0.097	0.043	0.043 J	MG/KG	TR
SW7471A/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Mercury	0.095	0.045	0.045 J	MG/KG	TR
SW7471A/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Mercury	0.092	0.033	0.033 J	MG/KG	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8082/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	PCB-1260 (Arochlor 1260)	56.0	24.0	24.0 J	UG/KG	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8260B/NONE	WG	076-0067-0001-ER	240-17796-20	N	Chloroform	1.0	0.61	0.61 J	UG/L	TR
SW8260B/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	2-Butanone (MEK)	18.0	1.5	1.5 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	2-Butanone (MEK)	24.0	2.3	2.3 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Carbon Disulfide	4.2	2.4	2.4 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	2-Butanone (MEK)	17.0	1.4	1.4 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Methylene Chloride	5.1	0.69	0.69 J	UG/KG	TR/J
SW8260B/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Carbon Disulfide	4.9	2.9	2.9 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Toluene	6.0	0.33	0.33 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Carbon Disulfide	6.0	3.5	3.5 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	2-Butanone (MEK)	24.0	9.6	9.6 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Methylene Chloride	6.0	1.3	1.3 J	UG/KG	TR/J
SW8260B/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Carbon Disulfide	5.2	3.1	3.1 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Carbon Disulfide	2.4	1.4	1.4 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	2-Butanone (MEK)	9.7	4.3	4.3 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	2-Butanone (MEK)	18.0	1.3	1.3 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Toluene	5.9	1.0	1.0 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Carbon Disulfide	5.9	3.5	3.5 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Ethylbenzene	5.9	2.4	2.4 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	2-Butanone (MEK)	23.0	13.0	13.0 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Xylenes, Total	12.0	14.0	14.0	UG/KG	
SW8260B/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Carbon Disulfide	4.2	2.6	2.6 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8260B/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	2-Butanone (MEK)	17.0	2.4	2.4 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Carbon Disulfide	5.3	3.2	3.2 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	2-Butanone (MEK)	21.0	1.7	1.7 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	2-Butanone (MEK)	18.0	7.3	7.3 J	UG/KG	TR
SW8260B/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Methylene Chloride	4.6	0.91	0.91 J	UG/KG	TR/J

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Anthracene	6.7	5.0	5.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	bis(2-Ethylhexyl) Phthalate	50.0	31.0	31.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Benzo(a)anthracene	6.7	16.0	16.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Benzo(a)pyrene	6.7	20.0	20.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Benzo(b)fluoranthene	6.7	18.0	18.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Benzo(g,h,i)perylene	6.7	8.9	8.9	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Benzo(k)fluoranthene	6.7	6.0	6.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Chrysene	6.7	15.0	15.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Dibenzofuran	50.0	7.1	7.1 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Fluorene	6.7	4.6	4.6 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Fluoranthene	6.7	38.0	38.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Indeno(1,2,3-c,d)pyrene	6.7	12.0	12.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Isophorone	50.0	14.0	14.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	2-Methylnaphthalene	6.7	19.0	19.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Naphthalene	6.7	16.0	16.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Phenanthrene	6.7	33.0	33.0	UG/KG	
SW8270C/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Pyrene	6.7	27.0	27.0	UG/KG	
SW8270C/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	bis(2-Ethylhexyl) Phthalate	120	58.0	58.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	bis(2-Ethylhexyl) Phthalate	130	48.0	48.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Acenaphthene	6.8	5.8	5.8 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Anthracene	6.8	17.0	17.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	bis(2-Ethylhexyl) Phthalate	51.0	30.0	30.0 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Benzo(a)anthracene	6.8	34.0	34.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Benzo(a)pyrene	6.8	34.0	34.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Benzo(b)fluoranthene	6.8	33.0	33.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Benzo(g,h,i)perylene	6.8	16.0	16.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Benzo(k)fluoranthene	6.8	15.0	15.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Chrysene	6.8	33.0	33.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Dibenzofuran	51.0	7.2	7.2 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Fluorene	6.8	9.8	9.8	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Fluoranthene	6.8	91.0	91.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Indeno(1,2,3-c,d)pyrene	6.8	19.0	19.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	2-Methylnaphthalene	6.8	8.0	8.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Naphthalene	6.8	10.0	10.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Phenanthrene	6.8	78.0	78.0	UG/KG	
SW8270C/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Pyrene	6.8	65.0	65.0	UG/KG	
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	bis(2-Ethylhexyl) Phthalate	50.0	26.0	26.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Benzo(a)pyrene	6.7	9.7	9.7	UG/KG	
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Fluoranthene	6.7	6.0	6.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	2-Methylnaphthalene	6.7	6.4	6.4 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Naphthalene	6.7	6.3	6.3 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Phenanthrene	6.7	8.1	8.1	UG/KG	
SW8270C/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Pyrene	6.7	4.1	4.1 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Acenaphthene	6.7	22.0	22.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Anthracene	6.7	72.0	72.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	bis(2-Ethylhexyl) Phthalate	50.0	38.0	38.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Benzo(a)anthracene	6.7	110	110	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Benzo(a)pyrene	6.7	88.0	88.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Benzo(b)fluoranthene	6.7	100	100	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Benzo(g,h,i)perylene	6.7	48.0	48.0	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Benzo(k)fluoranthene	6.7	37.0	37.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Carbazole	50.0	28.0	28.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Chrysene	6.7	100	100	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Dibenz(a,h)anthracene	6.7	24.0	24.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Dibenzofuran	50.0	36.0	36.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Fluorene	6.7	46.0	46.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Fluoranthene	6.7	290	290	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Indeno(1,2,3-c,d)pyrene	6.7	44.0	44.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	2-Methylnaphthalene	6.7	24.0	24.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Naphthalene	6.7	38.0	38.0	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Phenanthrene	6.7	330	330	UG/KG	
SW8270C/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Pyrene	6.7	200	200	UG/KG	
SW8270C/NONE	SO	076SB-0048M-0001-SO	240-17796-33	FD	bis(2-Ethylhexyl) Phthalate	50.0	24.0	24.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0048M-0001-SO	240-17796-33	FD	Phenanthrene	6.6	3.5	3.5 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0050M-0001-SO	240-17796-35	N	bis(2-Ethylhexyl) Phthalate	120	47.0	47.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	bis(2-Ethylhexyl) Phthalate	63.0	29.0	29.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	Benzo(b)fluoranthene	8.4	4.2	4.2 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	Benzo(g,h,i)perylene	8.4	12.0	12.0	UG/KG	
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	2-Methylnaphthalene	8.4	8.6	8.6	UG/KG	
SW8270C/NONE	SO	076SB-0051M-0001-SO	240-17796-36	N	Pyrene	8.4	6.7	6.7 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	bis(2-Ethylhexyl) Phthalate	130	55.0	55.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	bis(2-Ethylhexyl) Phthalate	51.0	26.0	26.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	2-Methylnaphthalene	6.8	4.7	4.7 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Naphthalene	6.8	3.8	3.8 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	bis(2-Ethylhexyl) Phthalate	51.0	24.0	24.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	2-Methylnaphthalene	6.7	6.2	6.2 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Naphthalene	6.7	5.1	5.1 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Pyrene	6.7	5.6	5.6 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	bis(2-Ethylhexyl) Phthalate	50.0	35.0	35.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Benzo(b)fluoranthene	6.7	4.2	4.2 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Benzo(g,h,i)perylene	6.7	5.1	5.1 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	2-Methylnaphthalene	6.7	9.0	9.0	UG/KG	
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Naphthalene	6.7	10.0	10.0	UG/KG	
SW8270C/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Pyrene	6.7	5.8	5.8 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	bis(2-Ethylhexyl) Phthalate	51.0	27.0	27.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Benzo(b)fluoranthene	6.8	4.2	4.2 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Fluoranthene	6.8	4.0	4.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	2-Methylnaphthalene	6.8	9.3	9.3	UG/KG	
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Naphthalene	6.8	6.2	6.2 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Phenanthrene	6.8	5.8	5.8 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Pyrene	6.8	4.8	4.8 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Acenaphthylene	34.0	18.0	18.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Anthracene	34.0	17.0	17.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Benzo(a)anthracene	34.0	92.0	92.0	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Benzo(a)pyrene	34.0	120	120	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Benzo(b)fluoranthene	34.0	87.0	87.0	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Benzo(g,h,i)perylene	34.0	58.0	58.0	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Benzo(k)fluoranthene	34.0	55.0	55.0	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Chrysene	34.0	110	110	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Fluoranthene	34.0	190	190	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Indeno(1,2,3-c,d)pyrene	34.0	66.0	66.0	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Naphthalene	34.0	24.0	24.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Phenanthrene	34.0	100	100	UG/KG	
SW8270C/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Pyrene	34.0	140	140	UG/KG	
SW8270C/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	bis(2-Ethylhexyl) Phthalate	130	54.0	54.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	bis(2-Ethylhexyl) Phthalate	49.0	26.0	26.0 J	UG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Benzo(a)pyrene	6.6	9.8	9.8	UG/KG	
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Benzo(b)fluoranthene	6.6	5.4	5.4 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Fluoranthene	6.6	6.2	6.2 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	2-Methylnaphthalene	6.6	4.5	4.5 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Naphthalene	6.6	4.6	4.6 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Phenanthrene	6.6	5.1	5.1 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Pyrene	6.6	4.7	4.7 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	bis(2-Ethylhexyl) Phthalate	50.0	25.0	25.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Benzo(b)fluoranthene	6.6	5.7	5.7 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Fluoranthene	6.6	7.6	7.6	UG/KG	
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	2-Methylnaphthalene	6.6	25.0	25.0	UG/KG	
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Naphthalene	6.6	16.0	16.0	UG/KG	
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Phenanthrene	6.6	7.4	7.4	UG/KG	
SW8270C/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Pyrene	6.6	5.8	5.8 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	bis(2-Ethylhexyl) Phthalate	130	50.0	50.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Benzo(a)anthracene	17.0	32.0	32.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Benzo(a)pyrene	17.0	39.0	39.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Benzo(b)fluoranthene	17.0	43.0	43.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Benzo(g,h,i)perylene	17.0	21.0	21.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Benzo(k)fluoranthene	17.0	9.4	9.4 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Chrysene	17.0	29.0	29.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Fluoranthene	17.0	59.0	59.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Indeno(1,2,3-c,d)pyrene	17.0	26.0	26.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Phenanthrene	17.0	34.0	34.0	UG/KG	
SW8270C/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Pyrene	17.0	43.0	43.0	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Benzo(a)anthracene	67.0	130	130	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Benzo(a)pyrene	67.0	170	170	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Benzo(b)fluoranthene	67.0	190	190	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Benzo(g,h,i)perylene	67.0	68.0	68.0	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Benzo(k)fluoranthene	67.0	45.0	45.0 J	UG/KG	TR
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Chrysene	67.0	140	140	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Fluoranthene	67.0	260	260	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Indeno(1,2,3-c,d)pyrene	67.0	100	100	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Phenanthrene	67.0	140	140	UG/KG	
SW8270C/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Pyrene	67.0	190	190	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Benzo(a)anthracene	34.0	37.0	37.0	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Benzo(a)pyrene	34.0	74.0	74.0	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Benzo(b)fluoranthene	34.0	59.0	59.0	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Benzo(g,h,i)perylene	34.0	30.0	30.0 J	UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Benzo(k)fluoranthene	34.0	22.0	22.0 J	UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Chrysene	34.0	49.0	49.0	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Fluoranthene	34.0	63.0	63.0	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Indeno(1,2,3-c,d)pyrene	34.0	50.0	50.0	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	2-Methylnaphthalene	34.0	27.0	27.0 J	UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Naphthalene	34.0	26.0	26.0 J	UG/KG	TR
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Phenanthrene	34.0	39.0	39.0	UG/KG	
SW8270C/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Pyrene	34.0	48.0	48.0	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Anthracene	6.6	5.0	5.0 J	UG/KG	TR
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	bis(2-Ethylhexyl) Phthalate	50.0	29.0	29.0 J	UG/KG	TR
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Benzo(a)anthracene	6.6	7.0	7.0	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Benzo(a)pyrene	6.6	12.0	12.0	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Benzo(b)fluoranthene	6.6	7.1	7.1	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Chrysene	6.6	7.1	7.1	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Dibenzofuran	50.0	8.7	8.7 J	UG/KG	TR
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Fluorene	6.6	8.9	8.9	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Fluoranthene	6.6	24.0	24.0	UG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	2-Methylnaphthalene	6.6	9.2	9.2	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Naphthalene	6.6	13.0	13.0	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Phenanthrene	6.6	39.0	39.0	UG/KG	
SW8270C/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Pyrene	6.6	14.0	14.0	UG/KG	
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8330B/NONE	SO	076SB-0047M-0001-SO	240-17796-32	N	NITROGUANIDINE	0.24	0.036	0.036 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Rejected Results

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Anomalies Count

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test/Extraction Method/Leach	# of Field Samples Outside of Compliance	# of Analytes Outside of Compliance
E353.2/METHOD/NONE	17	17
SW6020/TOTAL/NONE	1	9
SW7471A/TOTAL/NONE	1	1
SW8081/SW3520C/NONE	1	5
SW8082/SW3540C/NONE	12	84
SW8260B/SW5035/NONE	13	221
SW8270C/SW3550/NONE	31	561
SW8330B/METHOD/NONE	4	15

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
E353.2/NONE	076SB-0044M-0001-SO	N	1	Nitrocellulose	51 U	7.9	51	5	MG/KG
E353.2/NONE	076SB-0045M-0001-SO	N	1	Nitrocellulose	50 U	7.7	50	5	MG/KG
E353.2/NONE	076SB-0046M-0001-SO	N	1	Nitrocellulose	47 U	7.4	47	5	MG/KG
E353.2/NONE	076SB-0047M-0001-SO	N	1	Nitrocellulose	50 U	7.8	50	5	MG/KG
E353.2/NONE	076SB-0048M-0001-SO	FD	1	Nitrocellulose	51 U	8	51	5	MG/KG
E353.2/NONE	076SB-0049M-0001-SO	N	1	Nitrocellulose	51 U	7.9	51	5	MG/KG
E353.2/NONE	076SB-0050M-0001-SO	N	1	Nitrocellulose	46 U	7.2	46	5	MG/KG
E353.2/NONE	076SB-0051M-0001-SO	N	1	Nitrocellulose	61 U	9.6	61	5	MG/KG
E353.2/NONE	076SB-0053M-0001-SO	N	1	Nitrocellulose	48 U	7.5	48	5	MG/KG
E353.2/NONE	076SB-0054M-0001-SO	N	1	Nitrocellulose	46 U	7.2	46	5	MG/KG
E353.2/NONE	076SB-0055M-0001-SO	N	1	Nitrocellulose	46 U	7.2	46	5	MG/KG
E353.2/NONE	076SB-0056M-0001-SO	N	1	Nitrocellulose	50 U	7.7	50	5	MG/KG
E353.2/NONE	076SB-0057M-0001-SO	N	1	Nitrocellulose	51 U	7.9	51	5	MG/KG
E353.2/NONE	076SB-0058M-0001-SO	N	1	Nitrocellulose	47 U	7.3	47	5	MG/KG
E353.2/NONE	076SB-0059M-0001-SO	N	1	Nitrocellulose	49 U	7.6	49	5	MG/KG
E353.2/NONE	076SS-0007M-0001-SO	N	1	Nitrocellulose	44 U	6.9	44	5	MG/KG
E353.2/NONE	076SS-0022M-0001-SO	N	1	Nitrocellulose	46 U	7.2	46	5	MG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	076-0067-0001-ER	N	1	Aluminum	60 U	20	60	50	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Cadmium	2 U	0.4	2	0.5	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Calcium	2000 U	540	2000	100	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Iron	150 U	44	150	100	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Magnesium	1000 U	120	1000	100	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Potassium	1000 U	16	1000	200	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Sodium	1000 U	160	1000	200	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Thallium	0.75 J	0.32	2	1	UG/L
SW6020/NONE	076-0067-0001-ER	N	1	Zinc	10 J	8.8	40	10	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW7471A/NONE	076SB-0064M-0001-SO	N	1	Mercury	0.0283 J	0.016	0.12	0.1	MG/KG
Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	076-0067-0001-ER	N	1	Aldrin	0.048 U	0.0079	0.048	0.03	UG/L
SW8081/NONE	076-0067-0001-ER	N	1	alpha-BHC (alpha-Hexachlorocyclohexane)	0.048 U	0.0067	0.048	0.03	UG/L
SW8081/NONE	076-0067-0001-ER	N	1	Dieldrin	0.048 U	0.0072	0.048	0.03	UG/L
SW8081/NONE	076-0067-0001-ER	N	1	Heptachlor	0.048 U	0.0077	0.048	0.03	UG/L
SW8081/NONE	076-0067-0001-ER	N	1	Heptachlor Epoxide	0.048 U	0.0068	0.048	0.03	UG/L
Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	076-0067-0001-ER	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	076-0067-0001-ER	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.13	0.48	0.2	UG/L
SW8082/NONE	076-0067-0001-ER	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	076-0067-0001-ER	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	076-0067-0001-ER	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.096	0.48	0.2	UG/L
SW8082/NONE	076-0067-0001-ER	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	076-0067-0001-ER	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	076SB-0053M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	66 U	21	66	33	UG/KG
SW8082/NONE	076SB-0053M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	51 U	16	51	33	UG/KG
SW8082/NONE	076SB-0053M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	46 U	14	46	33	UG/KG
SW8082/NONE	076SB-0053M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	41 U	13	41	33	UG/KG
SW8082/NONE	076SB-0053M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	56 U	17	56	33	UG/KG
SW8082/NONE	076SB-0053M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	56 U	17	56	33	UG/KG
SW8082/NONE	076SB-0053M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	56 U	17	56	33	UG/KG
SW8082/NONE	076SB-0054M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	65 U	21	65	33	UG/KG
SW8082/NONE	076SB-0054M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	076SB-0054M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	076SB-0054M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	076SB-0054M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0054M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	076SB-0054M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0055M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	65 U	21	65	33	UG/KG
SW8082/NONE	076SB-0055M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	076SB-0055M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	076SB-0055M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	076SB-0055M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0055M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0055M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0056M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	65 U	21	65	33	UG/KG
SW8082/NONE	076SB-0056M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	076SB-0056M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	076SB-0056M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	076SB-0056M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0056M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0056M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0057M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	65 U	21	65	33	UG/KG
SW8082/NONE	076SB-0057M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	076SB-0057M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	076SB-0057M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	076SB-0057M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0057M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0057M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0058M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	64 U	21	64	33	UG/KG
SW8082/NONE	076SB-0058M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	49 U	16	49	33	UG/KG
SW8082/NONE	076SB-0058M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	44 U	14	44	33	UG/KG
SW8082/NONE	076SB-0058M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	076SB-0058M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	54 U	17	54	33	UG/KG
SW8082/NONE	076SB-0058M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	54 U	17	54	33	UG/KG
SW8082/NONE	076SB-0058M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	54 U	17	54	33	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	076SB-0059M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	65 U	21	65	33	UG/KG
SW8082/NONE	076SB-0059M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	50 U	16	50	33	UG/KG
SW8082/NONE	076SB-0059M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	45 U	14	45	33	UG/KG
SW8082/NONE	076SB-0059M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	40 U	13	40	33	UG/KG
SW8082/NONE	076SB-0059M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0059M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	55 U	17	55	33	UG/KG
SW8082/NONE	076SB-0059M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	55 U	17	55	33	UG/KG
SW8082/NONE	076SS-0007M-0001-SO	N	1	PCB-1016 (Arochlor 1016)	66 U	21	66	33	UG/KG
SW8082/NONE	076SS-0007M-0001-SO	N	1	PCB-1221 (Arochlor 1221)	51 U	16	51	33	UG/KG
SW8082/NONE	076SS-0007M-0001-SO	N	1	PCB-1232 (Arochlor 1232)	46 U	14	46	33	UG/KG
SW8082/NONE	076SS-0007M-0001-SO	N	1	PCB-1242 (Arochlor 1242)	41 U	13	41	33	UG/KG
SW8082/NONE	076SS-0007M-0001-SO	N	1	PCB-1248 (Arochlor 1248)	56 U	17	56	33	UG/KG
SW8082/NONE	076SS-0007M-0001-SO	N	1	PCB-1254 (Arochlor 1254)	56 U	17	56	33	UG/KG
SW8082/NONE	076SS-0007M-0001-SO	N	1	PCB-1260 (Arochlor 1260)	24 J	17	56	33	UG/KG
SW8082/NONE	076SW-0013-0001-SW	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	076SW-0013-0001-SW	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	076SW-0013-0001-SW	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	076SW-0013-0001-SW	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	076SW-0013-0001-SW	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	076SW-0013-0001-SW	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	076SW-0013-0001-SW	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	076SW-0014-0001-SW	FD	1	PCB-1016 (Arochlor 1016)	0.5 U	0.17	0.5	0.2	UG/L
SW8082/NONE	076SW-0014-0001-SW	FD	1	PCB-1221 (Arochlor 1221)	0.5 U	0.13	0.5	0.2	UG/L
SW8082/NONE	076SW-0014-0001-SW	FD	1	PCB-1232 (Arochlor 1232)	0.5 U	0.16	0.5	0.2	UG/L
SW8082/NONE	076SW-0014-0001-SW	FD	1	PCB-1242 (Arochlor 1242)	0.5 U	0.22	0.5	0.2	UG/L
SW8082/NONE	076SW-0014-0001-SW	FD	1	PCB-1248 (Arochlor 1248)	0.5 U	0.1	0.5	0.2	UG/L
SW8082/NONE	076SW-0014-0001-SW	FD	1	PCB-1254 (Arochlor 1254)	0.5 U	0.16	0.5	0.2	UG/L
SW8082/NONE	076SW-0014-0001-SW	FD	1	PCB-1260 (Arochlor 1260)	0.5 U	0.17	0.5	0.2	UG/L
SW8082/NONE	076SW-0015-0001-SW	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	076SW-0015-0001-SW	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	076SW-0015-0001-SW	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	076SW-0015-0001-SW	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	076SW-0015-0001-SW	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	076SW-0015-0001-SW	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	076SW-0015-0001-SW	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076-0067-0001-ER	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L
SW8260B/NONE	076-0068-0001-TB	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L
SW8260B/NONE	076SB-0023M-0001-SO	N	1	1,2-Dichloroethene	8.8 U	0.67	8.8	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,1,1-Trichloroethane	5.9 U	0.66	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,1,2-Trichloroethane	5.9 U	0.46	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,1-Dichloroethane	5.9 U	0.43	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,1-Dichloroethene	5.9 U	0.61	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.9 U	0.59	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,2-Dichloroethane	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,2-Dichloroethene	12 U	0.91	12	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	1,2-Dichloropropane	5.9 U	0.82	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	2-Butanone (MEK)	2.3 J	1.7	24	20	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	2-Hexanone	24 U	0.74	24	20	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	24 U	0.64	24	20	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Acetone	24 U	7.4	24	20	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Benzene	5.9 U	0.27	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Bromochloromethane	5.9 U	0.84	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Bromodichloromethane	5.9 U	0.33	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Bromoform	5.9 U	0.39	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Bromomethane	5.9 U	0.64	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Carbon Disulfide	5.9 U	0.52	5.9	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Carbon Tetrachloride	5.9 U	0.44	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Chlorobenzene	5.9 U	0.39	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Chloroethane	5.9 U	1	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Chloroform	5.9 U	0.34	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Chloromethane	5.9 U	0.48	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	cis-1,3-Dichloropropene	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Dibromochloromethane	5.9 U	0.65	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Ethylbenzene	5.9 U	0.31	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Methylene Chloride	5.9 U	0.79	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Styrene	5.9 U	0.18	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.9 U	0.51	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Tetrachloroethene (PCE)	5.9 U	0.61	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Toluene	5.9 U	0.32	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	trans-1,3-Dichloropropene	5.9 U	0.64	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Trichloroethene (TCE)	5.9 U	0.5	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Vinyl Chloride	5.9 U	0.46	5.9	5	UG/KG
SW8260B/NONE	076SB-0024M-0001-SO	N	1	Xylenes, Total	12 U	0.79	12	10	UG/KG
SW8260B/NONE	076SB-0025M-0001-SO	N	1	1,2-Dichloroethene	8.3 U	0.64	8.3	5	UG/KG
SW8260B/NONE	076SB-0026M-0001-SO	N	1	1,2-Dichloroethene	8.7 U	0.67	8.7	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,1,1-Trichloroethane	5.1 U	0.58	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,1,2-Trichloroethane	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,1-Dichloroethane	5.1 U	0.37	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,1-Dichloroethene	5.1 U	0.54	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.1 U	0.51	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,2-Dichloroethane	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,2-Dichloroethene	10 U	0.79	10	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	1,2-Dichloropropane	5.1 U	0.71	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	2-Butanone (MEK)	21 U	1.4	21	20	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076SB-0027M-0001-SO	N	1	2-Hexanone	21 U	0.65	21	20	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	21 U	0.56	21	20	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Acetone	21 U	6.5	21	20	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Benzene	5.1 U	0.24	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Bromochloromethane	5.1 U	0.73	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Bromodichloromethane	5.1 U	0.29	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Bromoform	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Bromomethane	5.1 U	0.56	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Carbon Disulfide	5.1 U	0.45	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Carbon Tetrachloride	5.1 U	0.38	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Chlorobenzene	5.1 U	0.34	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Chloroethane	5.1 U	0.89	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Chloroform	5.1 U	0.3	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Chloromethane	5.1 U	0.42	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	cis-1,3-Dichloropropene	5.1 U	0.35	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Dibromochloromethane	5.1 U	0.57	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Ethylbenzene	5.1 U	0.27	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Methylene Chloride	0.69 J	0.69	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Styrene	5.1 U	0.15	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.1 U	0.44	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Tetrachloroethene (PCE)	5.1 U	0.54	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Toluene	5.1 U	0.28	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	trans-1,3-Dichloropropene	5.1 U	0.56	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Trichloroethene (TCE)	5.1 U	0.43	5.1	5	UG/KG
SW8260B/NONE	076SB-0027M-0001-SO	N	1	Vinyl Chloride	5.1 U	0.4	5.1	5	UG/KG
SW8260B/NONE	076SB-0028M-0001-SO	N	1	1,2-Dichloroethene	9.7 U	0.75	9.7	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,1,1-Trichloroethane	6 U	0.67	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	6 U	0.41	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,1,2-Trichloroethane	6 U	0.47	6	5	UG/KG

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AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,1-Dichloroethane	6 U	0.43	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,1-Dichloroethene	6 U	0.62	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,2-Dibromoethane (EDB)	6 U	0.6	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,2-Dichloroethane	6 U	0.41	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,2-Dichloroethene	12 U	0.92	12	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	1,2-Dichloropropane	6 U	0.82	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	2-Butanone (MEK)	9.6 J	1.7	24	20	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	2-Hexanone	24 U	0.75	24	20	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	24 U	0.64	24	20	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Acetone	24 U	7.5	24	20	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Benzene	6 U	0.27	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Bromochloromethane	6 U	0.85	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Bromodichloromethane	6 U	0.33	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Bromoform	6 U	0.39	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Bromomethane	6 U	0.64	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Carbon Disulfide	3.5 J	0.53	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Carbon Tetrachloride	6 U	0.44	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Chlorobenzene	6 U	0.39	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Chloroethane	6 U	1	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Chloroform	6 U	0.35	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Chloromethane	6 U	0.49	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	cis-1,3-Dichloropropene	6 U	0.41	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Dibromochloromethane	6 U	0.66	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Ethylbenzene	6 U	0.31	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Methylene Chloride	1.3 J	0.8	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Styrene	6 U	0.18	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	6 U	0.51	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Tetrachloroethene (PCE)	6 U	0.62	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Toluene	0.33 J	0.32	6	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076SB-0029M-0001-SO	N	1	trans-1,3-Dichloropropene	6 U	0.64	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Trichloroethene (TCE)	6 U	0.5	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Vinyl Chloride	6 U	0.47	6	5	UG/KG
SW8260B/NONE	076SB-0029M-0001-SO	N	1	Xylenes, Total	12 U	0.8	12	10	UG/KG
SW8260B/NONE	076SB-0052M-0001-TB	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,1,1-Trichloroethane	5.2 U	0.58	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.2 U	0.35	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,1,2-Trichloroethane	5.2 U	0.41	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,1-Dichloroethane	5.2 U	0.37	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,1-Dichloroethene	5.2 U	0.54	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.2 U	0.52	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,2-Dichloroethane	5.2 U	0.35	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,2-Dichloroethene	10 U	0.8	10	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	1,2-Dichloropropane	5.2 U	0.72	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	2-Butanone (MEK)	21 U	1.5	21	20	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	2-Hexanone	21 U	0.65	21	20	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	21 U	0.56	21	20	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Acetone	21 U	6.5	21	20	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Benzene	5.2 U	0.24	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Bromochloromethane	5.2 U	0.74	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Bromodichloromethane	5.2 U	0.29	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Bromoform	5.2 U	0.34	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Bromomethane	5.2 U	0.56	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Carbon Disulfide	3.1 J	0.46	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Carbon Tetrachloride	5.2 U	0.38	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Chlorobenzene	5.2 U	0.34	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Chloroethane	5.2 U	0.89	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Chloroform	5.2 U	0.3	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Chloromethane	5.2 U	0.43	5.2	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076SB-0060M-0001-SO	N	1	cis-1,3-Dichloropropene	5.2 U	0.35	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Dibromochloromethane	5.2 U	0.57	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Ethylbenzene	5.2 U	0.27	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Methylene Chloride	5.2 U	0.7	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Styrene	5.2 U	0.16	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.2 U	0.45	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Tetrachloroethene (PCE)	5.2 U	0.54	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Toluene	5.2 U	0.28	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	trans-1,3-Dichloropropene	5.2 U	0.56	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Trichloroethene (TCE)	5.2 U	0.44	5.2	5	UG/KG
SW8260B/NONE	076SB-0060M-0001-SO	N	1	Vinyl Chloride	5.2 U	0.41	5.2	5	UG/KG
SW8260B/NONE	076SB-0062M-0001-SO	N	1	1,2-Dichloroethene	8.8 U	0.68	8.8	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,1,1-Trichloroethane	5.9 U	0.66	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,1,2-Trichloroethane	5.9 U	0.46	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,1-Dichloroethane	5.9 U	0.42	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,1-Dichloroethene	5.9 U	0.61	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.9 U	0.59	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,2-Dichloroethane	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,2-Dichloroethene	12 U	0.9	12	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	1,2-Dichloropropane	5.9 U	0.81	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	2-Butanone (MEK)	13 J	1.6	23	20	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	2-Hexanone	23 U	0.74	23	20	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	23 U	0.63	23	20	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Acetone	23 U	7.4	23	20	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Benzene	5.9 U	0.27	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Bromochloromethane	5.9 U	0.83	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Bromodichloromethane	5.9 U	0.33	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Bromoform	5.9 U	0.39	5.9	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Bromomethane	5.9 U	0.63	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Carbon Disulfide	3.5 J	0.52	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Carbon Tetrachloride	5.9 U	0.43	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Chlorobenzene	5.9 U	0.39	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Chloroethane	5.9 U	1	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Chloroform	5.9 U	0.34	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Chloromethane	5.9 U	0.48	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	cis-1,3-Dichloropropene	5.9 U	0.4	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Dibromochloromethane	5.9 U	0.65	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Ethylbenzene	2.4 J	0.3	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Methylene Chloride	5.9 U	0.79	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Styrene	5.9 U	0.18	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.9 U	0.5	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Tetrachloroethene (PCE)	5.9 U	0.61	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Toluene	1 J	0.32	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	trans-1,3-Dichloropropene	5.9 U	0.63	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Trichloroethene (TCE)	5.9 U	0.49	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Vinyl Chloride	5.9 U	0.46	5.9	5	UG/KG
SW8260B/NONE	076SB-0063M-0001-SO	N	1	Xylenes, Total	14	0.79	12	10	UG/KG
SW8260B/NONE	076SB-0064M-0001-SO	N	1	1,2-Dichloroethene	8.3 U	0.64	8.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,1,1-Trichloroethane	5.3 U	0.59	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,1,2,2-Tetrachloroethane	5.3 U	0.36	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,1,2-Trichloroethane	5.3 U	0.41	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,1-Dichloroethane	5.3 U	0.38	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,1-Dichloroethene	5.3 U	0.55	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,2-Dibromoethane (EDB)	5.3 U	0.53	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,2-Dichloroethane	5.3 U	0.36	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,2-Dichloroethene	11 U	0.81	11	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	1,2-Dichloropropane	5.3 U	0.73	5.3	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	076SB-0065M-0001-SO	N	1	2-Butanone (MEK)	1.7 J	1.5	21	20	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	2-Hexanone	21 U	0.67	21	20	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	4-Methyl-2-pentanone (MIBK)	21 U	0.57	21	20	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Acetone	21 U	6.7	21	20	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Benzene	5.3 U	0.24	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Bromochloromethane	5.3 U	0.75	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Bromodichloromethane	5.3 U	0.3	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Bromoform	5.3 U	0.35	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Bromomethane	5.3 U	0.57	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Carbon Disulfide	3.2 J	0.47	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Carbon Tetrachloride	5.3 U	0.39	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Chlorobenzene	5.3 U	0.35	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Chloroethane	5.3 U	0.91	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Chloroform	5.3 U	0.31	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Chloromethane	5.3 U	0.43	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	cis-1,3-Dichloropropene	5.3 U	0.36	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Dibromochloromethane	5.3 U	0.58	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Ethylbenzene	5.3 U	0.28	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Methylene Chloride	5.3 U	0.71	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Styrene	5.3 U	0.16	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	tert-Butyl Methyl Ether (MTBE)	5.3 U	0.45	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Tetrachloroethene (PCE)	5.3 U	0.55	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Toluene	5.3 U	0.29	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	trans-1,3-Dichloropropene	5.3 U	0.57	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Trichloroethene (TCE)	5.3 U	0.44	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Vinyl Chloride	5.3 U	0.41	5.3	5	UG/KG
SW8260B/NONE	076SB-0065M-0001-SO	N	1	Xylenes, Total	11 U	0.71	11	10	UG/KG
SW8260B/NONE	076SB-0066M-0001-SO	N	1	1,2-Dichloroethene	9.1 U	0.7	9.1	5	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0023M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	2,4,6-Trichlorophenol	370 U	200	370	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	2,4-Dichlorophenol	370 U	50	370	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	2,4-Dimethylphenol	370 U	50	370	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	2,4-Dinitrophenol	820 U	200	820	800	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	2,4-Dinitrotoluene	500 U	67	500	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	2,6-Dinitrotoluene	500 U	52	500	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	370 U	52	370	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	4-Chloroaniline	370 U	42	370	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	4-Nitrophenol	820 U	200	820	800	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	Benzoic acid	1600 U	830	1600	800	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	Benzyl alcohol	820 U	52	820	330	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	Carbazole	120 U	67	120	50	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	Cresols, m & p	990 U	50	990	300	UG/KG
SW8270C/NONE	076SB-0024M-0001-SO	N	2.5	Hexachlorocyclopentadiene	820 U	67	820	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	2,4,6-Trichlorophenol	380 U	200	380	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	2,4-Dichlorophenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	2,4-Dimethylphenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	2,4-Dinitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	2,4-Dinitrotoluene	500 U	68	500	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	2,6-Dinitrotoluene	500 U	53	500	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	380 U	53	380	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	4-Chloroaniline	380 U	43	380	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	4-Nitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	Benzoic acid	1700 U	830	1700	800	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	Benzyl alcohol	830 U	53	830	330	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	Carbazole	130 U	68	130	50	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	Cresols, m & p	1000 U	50	1000	300	UG/KG
SW8270C/NONE	076SB-0025M-0001-SO	N	2.5	Hexachlorocyclopentadiene	830 U	68	830	330	UG/KG
SW8270C/NONE	076SB-0026M-0001-SO	N	1	Carbazole	51 U	27	51	50	UG/KG
SW8270C/NONE	076SB-0026M-0001-SO	N	1	Cresols, m & p	410 U	20	410	300	UG/KG
SW8270C/NONE	076SB-0027M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	2,4,6-Trichlorophenol	380 U	200	380	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	2,4-Dichlorophenol	380 U	51	380	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	2,4-Dimethylphenol	380 U	51	380	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	2,4-Dinitrophenol	840 U	200	840	800	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	2,4-Dinitrotoluene	510 U	69	510	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	2,6-Dinitrotoluene	510 U	53	510	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	510 U	200	510	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	380 U	53	380	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	4-Chloroaniline	380 U	43	380	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	4-Nitrophenol	840 U	200	840	800	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	Benzoic acid	1700 U	850	1700	800	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	Benzyl alcohol	840 U	53	840	330	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	Carbazole	130 U	69	130	50	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	Cresols, m & p	1000 U	51	1000	300	UG/KG
SW8270C/NONE	076SB-0028M-0001-SO	N	2.5	Hexachlorocyclopentadiene	840 U	69	840	330	UG/KG
SW8270C/NONE	076SB-0029M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	2,4,6-Trichlorophenol	370 U	200	370	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	2,4-Dichlorophenol	370 U	50	370	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	2,4-Dimethylphenol	370 U	50	370	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	2,4-Dinitrophenol	820 U	200	820	800	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	2,4-Dinitrotoluene	500 U	67	500	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	2,6-Dinitrotoluene	500 U	52	500	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	370 U	52	370	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	4-Chloroaniline	370 U	42	370	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	4-Nitrophenol	820 U	200	820	800	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	Benzoic acid	1600 U	830	1600	800	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	Benzyl alcohol	820 U	52	820	330	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	Carbazole	120 U	67	120	50	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	Cresols, m & p	1000 U	50	1000	300	UG/KG
SW8270C/NONE	076SB-0044M-0001-SO	N	2.5	Hexachlorocyclopentadiene	820 U	67	820	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	1,2,4-Trichlorobenzene	510 U	270	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	1,2-Dichlorobenzene	510 U	98	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	1,3-Dichlorobenzene	510 U	110	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	1,4-Dichlorobenzene	510 U	200	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2,4,5-Trichlorophenol	1500 U	250	1500	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2,4,6-Trichlorophenol	1500 U	810	1500	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2,4-Dichlorophenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2,4-Dimethylphenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2,4-Dinitrophenol	3300 U	810	3300	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2,4-Dinitrotoluene	2000 U	270	2000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2,6-Dinitrotoluene	2000 U	210	2000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2-Chloronaphthalene	510 U	33	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2-Chlorophenol	510 U	270	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2-Methylphenol (o-Cresol)	2000 U	810	2000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2-Nitroaniline	2000 U	92	2000	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	2-Nitrophenol	510 U	270	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	3,3'-Dichlorobenzidine	1000 U	180	1000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	3-Nitroaniline	2000 U	160	2000	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	4,6-Dinitro-2-Methylphenol	1500 U	810	1500	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	4-Bromophenyl phenyl ether	510 U	130	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	4-Chloro-3-Methylphenol	1500 U	210	1500	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	4-Chloroaniline	1500 U	170	1500	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0045M-0001-SO	N	10	4-Chlorophenyl Phenyl Ether	510 U	130	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	4-Nitroaniline	2000 U	260	2000	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	4-Nitrophenol	3300 U	810	3300	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Acenaphthene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Acenaphthylene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Anthracene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzo(a)anthracene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzo(a)pyrene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzo(b)fluoranthene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzo(g,h,i)perylene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzo(k)fluoranthene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzoic acid	6700 U	3400	6700	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzyl alcohol	3300 U	210	3300	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Benzyl butyl phthalate	510 U	100	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	bis(2-Chloroethoxy) Methane	1000 U	220	1000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1000 U	20	1000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	bis(2-Chloroisopropyl) Ether	1000 U	96	1000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Carbazole	510 U	270	510	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Chrysene	68 U	11	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Cresols, m & p	4100 U	200	4100	300	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Dibenz(a,h)anthracene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Dibenzofuran	510 U	33	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Diethyl Phthalate	510 U	160	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Dimethyl Phthalate	510 U	170	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Di-n-Butyl Phthalate	510 U	150	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Di-n-Octylphthalate	510 U	270	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Fluoranthene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Fluorene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Hexachlorobutadiene	510 U	270	510	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Hexachlorocyclopentadiene	3300 U	270	3300	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Hexachloroethane	510 U	91	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Indeno(1,2,3-c,d)pyrene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Isophorone	510 U	130	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Naphthalene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Nitrobenzene	1000 U	22	1000	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	n-Nitrosodi-n-propylamine	510 U	270	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Pentachlorophenol	1500 U	810	1500	800	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Phenanthrene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Phenol	510 U	270	510	330	UG/KG
SW8270C/NONE	076SB-0045M-0001-SO	N	10	Pyrene	68 U	33	68	50	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	2,4,6-Trichlorophenol	380 U	200	380	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	2,4-Dichlorophenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	2,4-Dimethylphenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	2,4-Dinitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	2,4-Dinitrotoluene	500 U	68	500	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	2,6-Dinitrotoluene	500 U	53	500	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	380 U	53	380	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	4-Chloroaniline	380 U	43	380	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	4-Nitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	Benzoic acid	1700 U	840	1700	800	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	Benzyl alcohol	830 U	53	830	330	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	Carbazole	130 U	68	130	50	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	Cresols, m & p	1000 U	50	1000	300	UG/KG
SW8270C/NONE	076SB-0046M-0001-SO	N	2.5	Hexachlorocyclopentadiene	830 U	68	830	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	1,2,4-Trichlorobenzene	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	1,2-Dichlorobenzene	500 U	98	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	1,3-Dichlorobenzene	500 U	110	500	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0047M-0001-SO	N	10	1,4-Dichlorobenzene	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2,4,5-Trichlorophenol	1500 U	250	1500	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2,4,6-Trichlorophenol	1500 U	810	1500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2,4-Dichlorophenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2,4-Dimethylphenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2,4-Dinitrophenol	3300 U	810	3300	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2,4-Dinitrotoluene	2000 U	270	2000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2,6-Dinitrotoluene	2000 U	210	2000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2-Chloronaphthalene	500 U	33	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2-Chlorophenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2-Methylphenol (o-Cresol)	2000 U	810	2000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2-Nitroaniline	2000 U	92	2000	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	2-Nitrophenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	3,3'-Dichlorobenzidine	1000 U	180	1000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	3-Nitroaniline	2000 U	160	2000	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	4,6-Dinitro-2-Methylphenol	1500 U	810	1500	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	4-Bromophenyl phenyl ether	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	4-Chloro-3-Methylphenol	1500 U	210	1500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	4-Chloroaniline	1500 U	170	1500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	4-Chlorophenyl Phenyl Ether	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	4-Nitroaniline	2000 U	260	2000	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	4-Nitrophenol	3300 U	810	3300	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Acenaphthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Acenaphthylene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzo(a)anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzo(a)pyrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzo(b)fluoranthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzo(g,h,i)perylene	67 U	33	67	50	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzo(k)fluoranthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzoic acid	6600 U	3400	6600	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzyl alcohol	3300 U	210	3300	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Benzyl butyl phthalate	500 U	100	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	bis(2-Chloroethoxy) Methane	1000 U	220	1000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1000 U	20	1000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	bis(2-Chloroisopropyl) Ether	1000 U	96	1000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Carbazole	500 U	270	500	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Chrysene	67 U	11	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Cresols, m & p	4000 U	200	4000	300	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Dibenz(a,h)anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Dibenzofuran	500 U	33	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Diethyl Phthalate	500 U	160	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Dimethyl Phthalate	500 U	170	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Di-n-Butyl Phthalate	500 U	150	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Di-n-Octylphthalate	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Fluoranthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Fluorene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Hexachlorobutadiene	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Hexachlorocyclopentadiene	3300 U	270	3300	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Hexachloroethane	500 U	91	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Indeno(1,2,3-c,d)pyrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Isophorone	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Naphthalene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Nitrobenzene	1000 U	22	1000	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	n-Nitrosodi-n-propylamine	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Pentachlorophenol	1500 U	810	1500	800	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Phenanthrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Phenol	500 U	270	500	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0047M-0001-SO	N	10	Pyrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0048M-0001-SO	FD	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	1,2,4-Trichlorobenzene	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	1,2-Dichlorobenzene	500 U	97	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	1,3-Dichlorobenzene	500 U	110	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	1,4-Dichlorobenzene	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2,4,5-Trichlorophenol	1500 U	250	1500	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2,4,6-Trichlorophenol	1500 U	800	1500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2,4-Dichlorophenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2,4-Dimethylphenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2,4-Dinitrophenol	3300 U	800	3300	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2,4-Dinitrotoluene	2000 U	270	2000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2,6-Dinitrotoluene	2000 U	210	2000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2-Chloronaphthalene	500 U	33	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2-Chlorophenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2-Methylphenol (o-Cresol)	2000 U	800	2000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2-Nitroaniline	2000 U	91	2000	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	2-Nitrophenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	3,3'-Dichlorobenzidine	1000 U	180	1000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	3-Nitroaniline	2000 U	160	2000	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	4,6-Dinitro-2-Methylphenol	1500 U	800	1500	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	4-Bromophenyl phenyl ether	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	4-Chloro-3-Methylphenol	1500 U	210	1500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	4-Chloroaniline	1500 U	170	1500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	4-Chlorophenyl Phenyl Ether	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	4-Nitroaniline	2000 U	260	2000	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	4-Nitrophenol	3300 U	800	3300	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Acenaphthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Acenaphthylene	67 U	33	67	50	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzo(a)anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzo(a)pyrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzo(b)fluoranthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzo(g,h,i)perylene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzo(k)fluoranthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzoic acid	6600 U	3300	6600	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzyl alcohol	3300 U	210	3300	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Benzyl butyl phthalate	500 U	100	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	bis(2-Chloroethoxy) Methane	1000 U	220	1000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1000 U	20	1000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	bis(2-Chloroisopropyl) Ether	1000 U	95	1000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Carbazole	500 U	270	500	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Chrysene	67 U	11	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Cresols, m & p	4000 U	200	4000	300	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Dibenz(a,h)anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Dibenzofuran	500 U	33	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Diethyl Phthalate	500 U	160	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Dimethyl Phthalate	500 U	170	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Di-n-Butyl Phthalate	500 U	150	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Di-n-Octylphthalate	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Fluoranthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Fluorene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Hexachlorobutadiene	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Hexachlorocyclopentadiene	3300 U	270	3300	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Hexachloroethane	500 U	90	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Indeno(1,2,3-c,d)pyrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Isophorone	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Naphthalene	67 U	33	67	50	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Nitrobenzene	1000 U	22	1000	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	n-Nitrosodi-n-propylamine	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Pentachlorophenol	1500 U	800	1500	800	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Phenanthrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Phenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0049M-0001-SO	N	10	Pyrene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	2,4,6-Trichlorophenol	370 U	200	370	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	2,4-Dichlorophenol	370 U	49	370	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	2,4-Dimethylphenol	370 U	49	370	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	2,4-Dinitrophenol	810 U	200	810	800	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	2,4-Dinitrotoluene	490 U	67	490	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	2,6-Dinitrotoluene	490 U	52	490	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	490 U	200	490	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	370 U	52	370	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	4-Chloroaniline	370 U	42	370	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	4-Nitrophenol	810 U	200	810	800	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	Benzoic acid	1600 U	820	1600	800	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	Benzyl alcohol	810 U	52	810	330	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	Carbazole	120 U	67	120	50	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	Cresols, m & p	990 U	49	990	300	UG/KG
SW8270C/NONE	076SB-0050M-0001-SO	N	2.5	Hexachlorocyclopentadiene	810 U	67	810	330	UG/KG
SW8270C/NONE	076SB-0051M-0001-SO	N	1	Benzoic acid	830 U	420	830	800	UG/KG
SW8270C/NONE	076SB-0051M-0001-SO	N	1	Benzyl alcohol	410 U	26	410	330	UG/KG
SW8270C/NONE	076SB-0051M-0001-SO	N	1	Carbazole	63 U	34	63	50	UG/KG
SW8270C/NONE	076SB-0051M-0001-SO	N	1	Cresols, m & p	500 U	25	500	300	UG/KG
SW8270C/NONE	076SB-0051M-0001-SO	N	1	Hexachlorocyclopentadiene	410 U	34	410	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	2,4,6-Trichlorophenol	380 U	200	380	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	2,4-Dichlorophenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	2,4-Dimethylphenol	380 U	50	380	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	2,4-Dinitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	2,4-Dinitrotoluene	500 U	68	500	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	2,6-Dinitrotoluene	500 U	53	500	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	380 U	53	380	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	4-Chloroaniline	380 U	43	380	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	4-Nitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	Benzoic acid	1700 U	830	1700	800	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	Benzyl alcohol	830 U	53	830	330	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	Carbazole	130 U	68	130	50	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	Cresols, m & p	1000 U	50	1000	300	UG/KG
SW8270C/NONE	076SB-0053M-0001-SO	N	2.5	Hexachlorocyclopentadiene	830 U	68	830	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2,4,6-Trichlorophenol	760 U	410	760	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2,4-Dichlorophenol	760 U	100	760	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2,4-Dimethylphenol	760 U	100	760	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2,4-Dinitrophenol	1700 UJ	410	1700	800	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2,4-Dinitrotoluene	1000 U	140	1000	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2,6-Dinitrotoluene	1000 U	110	1000	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2-Methylphenol (o-Cresol)	1000 U	410	1000	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	2-Nitroaniline	1000 U	46	1000	800	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	3,3'-Dichlorobenzidine	510 U	91	510	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	3-Nitroaniline	1000 U	81	1000	800	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	4-Chloro-3-Methylphenol	760 U	110	760	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	4-Chloroaniline	760 U	86	760	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	4-Nitroaniline	1000 U	130	1000	800	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	4-Nitrophenol	1700 U	410	1700	800	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	Benzoic acid	3300 U	1700	3300	800	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	Benzyl alcohol	1700 U	110	1700	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	bis(2-Chloroethoxy) Methane	510 U	110	510	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0054M-0001-SO	N	5	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	510 U	10	510	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	bis(2-Chloroisopropyl) Ether	510 U	48	510	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	Carbazole	250 U	140	250	50	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	Cresols, m & p	2000 U	100	2000	300	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	Hexachlorocyclopentadiene	1700 U	140	1700	330	UG/KG
SW8270C/NONE	076SB-0054M-0001-SO	N	5	Nitrobenzene	510 U	11	510	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2,4,6-Trichlorophenol	750 U	400	750	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2,4-Dichlorophenol	750 U	100	750	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2,4-Dimethylphenol	750 U	100	750	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2,4-Dinitrophenol	1700 UJ	400	1700	800	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2,4-Dinitrotoluene	1000 U	140	1000	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2,6-Dinitrotoluene	1000 U	110	1000	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2-Methylphenol (o-Cresol)	1000 U	400	1000	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	2-Nitroaniline	1000 U	46	1000	800	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	3,3'-Dichlorobenzidine	500 U	90	500	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	3-Nitroaniline	1000 U	80	1000	800	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	4-Chloro-3-Methylphenol	750 U	110	750	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	4-Chloroaniline	750 U	85	750	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	4-Nitroaniline	1000 U	130	1000	800	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	4-Nitrophenol	1700 U	400	1700	800	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	Benzoic acid	3300 U	1700	3300	800	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	Benzyl alcohol	1700 U	110	1700	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	bis(2-Chloroethoxy) Methane	500 U	110	500	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	500 U	10	500	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	bis(2-Chloroisopropyl) Ether	500 U	48	500	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	Carbazole	250 U	140	250	50	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	Cresols, m & p	2000 U	100	2000	300	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	Hexachlorocyclopentadiene	1700 U	140	1700	330	UG/KG
SW8270C/NONE	076SB-0055M-0001-SO	N	5	Nitrobenzene	500 U	11	500	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0056M-0001-SO	N	1	Carbazole	51 U	27	51	50	UG/KG
SW8270C/NONE	076SB-0056M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0057M-0001-SO	N	1	Carbazole	51 U	27	51	50	UG/KG
SW8270C/NONE	076SB-0057M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0058M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0059M-0001-SO	N	1	Benzyl alcohol	340 U	21	340	330	UG/KG
SW8270C/NONE	076SB-0059M-0001-SO	N	1	Carbazole	51 U	27	51	50	UG/KG
SW8270C/NONE	076SB-0059M-0001-SO	N	1	Cresols, m & p	410 U	20	410	300	UG/KG
SW8270C/NONE	076SB-0059M-0001-SO	N	1	Hexachlorocyclopentadiene	340 U	27	340	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2,4,6-Trichlorophenol	760 U	410	760	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2,4-Dichlorophenol	760 U	100	760	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2,4-Dimethylphenol	760 U	100	760	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2,4-Dinitrophenol	1700 UJ	410	1700	800	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2,4-Dinitrotoluene	1000 U	140	1000	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2,6-Dinitrotoluene	1000 U	110	1000	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2-Methylphenol (o-Cresol)	1000 U	410	1000	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	2-Nitroaniline	1000 U	46	1000	800	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	3,3'-Dichlorobenzidine	510 U	91	510	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	3-Nitroaniline	1000 U	81	1000	800	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	4-Chloro-3-Methylphenol	760 U	110	760	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	4-Chloroaniline	760 U	86	760	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	4-Nitroaniline	1000 U	130	1000	800	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	4-Nitrophenol	1700 U	410	1700	800	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	Benzoic acid	3400 U	1700	3400	800	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	Benzyl alcohol	1700 U	110	1700	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	bis(2-Chloroethoxy) Methane	510 U	110	510	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	510 U	10	510	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	bis(2-Chloroisopropyl) Ether	510 U	48	510	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	Carbazole	250 U	140	250	50	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0060M-0001-SO	N	5	Cresols, m & p	2000 U	100	2000	300	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	Hexachlorocyclopentadiene	1700 U	140	1700	330	UG/KG
SW8270C/NONE	076SB-0060M-0001-SO	N	5	Nitrobenzene	510 U	11	510	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	2,4,6-Trichlorophenol	380 U	200	380	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	2,4-Dichlorophenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	2,4-Dimethylphenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	2,4-Dinitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	2,4-Dinitrotoluene	500 U	68	500	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	2,6-Dinitrotoluene	500 U	53	500	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	380 U	53	380	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	4-Chloroaniline	380 U	43	380	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	4-Nitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	Benzoic acid	1700 U	830	1700	800	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	Benzyl alcohol	830 U	53	830	330	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	Carbazole	130 U	68	130	50	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	Cresols, m & p	1000 U	50	1000	300	UG/KG
SW8270C/NONE	076SB-0061M-0001-SO	N	2.5	Hexachlorocyclopentadiene	830 U	68	830	330	UG/KG
SW8270C/NONE	076SB-0062M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0063M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	1,2,4-Trichlorobenzene	490 U	270	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	1,2-Dichlorobenzene	490 U	96	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	1,3-Dichlorobenzene	490 U	110	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	1,4-Dichlorobenzene	490 U	200	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2,4,5-Trichlorophenol	1500 U	250	1500	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2,4,6-Trichlorophenol	1500 U	790	1500	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2,4-Dichlorophenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2,4-Dimethylphenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2,4-Dinitrophenol	3300 U	790	3300	800	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2,4-Dinitrotoluene	2000 U	270	2000	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2,6-Dinitrotoluene	2000 U	210	2000	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2-Chloronaphthalene	490 U	33	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2-Chlorophenol	490 U	270	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2-Methylphenol (o-Cresol)	2000 U	790	2000	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2-Nitroaniline	2000 U	90	2000	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	2-Nitrophenol	490 U	270	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	3,3'-Dichlorobenzidine	990 U	180	990	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	3-Nitroaniline	2000 U	160	2000	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	4,6-Dinitro-2-Methylphenol	1500 U	790	1500	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	4-Bromophenyl phenyl ether	490 U	130	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	4-Chloro-3-Methylphenol	1500 U	210	1500	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	4-Chloroaniline	1500 U	170	1500	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	4-Chlorophenyl Phenyl Ether	490 U	130	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	4-Nitroaniline	2000 U	260	2000	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	4-Nitrophenol	3300 U	790	3300	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Acenaphthene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Acenaphthylene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Anthracene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzo(a)anthracene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzo(a)pyrene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzo(b)fluoranthene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzo(g,h,i)perylene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzo(k)fluoranthene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzoic acid	6500 U	3300	6500	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzyl alcohol	3300 U	210	3300	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Benzyl butyl phthalate	490 U	99	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	bis(2-Chloroethoxy) Methane	990 U	220	990	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	990 U	20	990	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0064M-0001-SO	N	10	bis(2-Chloroisopropyl) Ether	990 U	94	990	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Carbazole	490 U	270	490	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Chrysene	66 U	11	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Cresols, m & p	3900 U	200	3900	300	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Dibenz(a,h)anthracene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Dibenzofuran	490 U	33	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Diethyl Phthalate	490 U	160	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Dimethyl Phthalate	490 U	170	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Di-n-Butyl Phthalate	490 U	150	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Di-n-Octylphthalate	490 U	270	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Fluoranthene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Fluorene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Hexachlorobutadiene	490 U	270	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Hexachlorocyclopentadiene	3300 U	270	3300	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Hexachloroethane	490 U	89	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Indeno(1,2,3-c,d)pyrene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Isophorone	490 U	130	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Naphthalene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Nitrobenzene	990 U	22	990	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	n-Nitrosodi-n-propylamine	490 U	270	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Pentachlorophenol	1500 U	790	1500	800	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Phenanthrene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Phenol	490 U	270	490	330	UG/KG
SW8270C/NONE	076SB-0064M-0001-SO	N	10	Pyrene	66 U	33	66	50	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	2,4,6-Trichlorophenol	380 U	200	380	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	2,4-Dichlorophenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	2,4-Dimethylphenol	380 U	50	380	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	2,4-Dinitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	2,4-Dinitrotoluene	500 U	68	500	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	2,6-Dinitrotoluene	500 U	53	500	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	2-Methylphenol (o-Cresol)	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	4-Chloro-3-Methylphenol	380 U	53	380	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	4-Chloroaniline	380 U	43	380	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	4-Nitrophenol	830 U	200	830	800	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	Benzoic acid	1700 U	830	1700	800	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	Benzyl alcohol	830 U	53	830	330	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	Carbazole	130 U	68	130	50	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	Cresols, m & p	1000 U	50	1000	300	UG/KG
SW8270C/NONE	076SB-0065M-0001-SO	N	2.5	Hexachlorocyclopentadiene	830 U	68	830	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	1,2,4-Trichlorobenzene	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	1,2-Dichlorobenzene	500 U	97	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	1,3-Dichlorobenzene	500 U	110	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	1,4-Dichlorobenzene	500 U	200	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2,4,5-Trichlorophenol	1500 U	250	1500	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2,4,6-Trichlorophenol	1500 U	800	1500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2,4-Dichlorophenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2,4-Dimethylphenol	1500 U	200	1500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2,4-Dinitrophenol	3300 U	800	3300	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2,4-Dinitrotoluene	2000 U	270	2000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2,6-Dinitrotoluene	2000 U	210	2000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2-Chloronaphthalene	500 U	33	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2-Chlorophenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2-Methylphenol (o-Cresol)	2000 U	800	2000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2-Nitroaniline	2000 U	91	2000	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	2-Nitrophenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	3,3'-Dichlorobenzidine	1000 U	180	1000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	3-Nitroaniline	2000 U	160	2000	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	4,6-Dinitro-2-Methylphenol	1500 U	800	1500	800	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0066M-0001-SO	N	10	4-Bromophenyl phenyl ether	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	4-Chloro-3-Methylphenol	1500 U	210	1500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	4-Chloroaniline	1500 U	170	1500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	4-Chlorophenyl Phenyl Ether	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	4-Nitroaniline	2000 U	260	2000	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	4-Nitrophenol	3300 U	800	3300	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Acenaphthene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Acenaphthylene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzo(a)anthracene	130	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzo(a)pyrene	170	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzo(b)fluoranthene	190	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzo(g,h,i)perylene	68	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzo(k)fluoranthene	45 J	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzoic acid	6600 U	3300	6600	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzyl alcohol	3300 U	210	3300	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Benzyl butyl phthalate	500 U	100	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	bis(2-Chloroethoxy) Methane	1000 U	220	1000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1000 U	20	1000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	bis(2-Chloroisopropyl) Ether	1000 U	95	1000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Carbazole	500 U	270	500	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Chrysene	140	11	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Cresols, m & p	4000 U	200	4000	300	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Dibenz(a,h)anthracene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Dibenzofuran	500 U	33	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Diethyl Phthalate	500 U	160	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Dimethyl Phthalate	500 U	170	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Di-n-Butyl Phthalate	500 U	150	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Di-n-Octylphthalate	500 U	270	500	330	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Fluoranthene	260	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Fluorene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Hexachlorobutadiene	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Hexachlorocyclopentadiene	3300 U	270	3300	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Hexachloroethane	500 U	90	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Indeno(1,2,3-c,d)pyrene	100	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Isophorone	500 U	130	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Naphthalene	67 U	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Nitrobenzene	1000 U	22	1000	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	n-Nitrosodi-n-propylamine	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Pentachlorophenol	1500 U	800	1500	800	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Phenanthrene	140	33	67	50	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Phenol	500 U	270	500	330	UG/KG
SW8270C/NONE	076SB-0066M-0001-SO	N	10	Pyrene	190	33	67	50	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2,4,6-Trichlorophenol	760 U	400	760	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2,4-Dichlorophenol	760 U	100	760	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2,4-Dimethylphenol	760 U	100	760	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2,4-Dinitrophenol	1700 UJ	400	1700	800	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2,4-Dinitrotoluene	1000 U	140	1000	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2,6-Dinitrotoluene	1000 U	110	1000	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2-Methylphenol (o-Cresol)	1000 U	400	1000	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	2-Nitroaniline	1000 U	46	1000	800	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	3,3'-Dichlorobenzidine	500 U	91	500	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	3-Nitroaniline	1000 U	81	1000	800	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	4-Chloro-3-Methylphenol	760 U	110	760	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	4-Chloroaniline	760 U	86	760	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	4-Nitroaniline	1000 U	130	1000	800	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	4-Nitrophenol	1700 U	400	1700	800	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	Benzoic acid	3300 U	1700	3300	800	UG/KG

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Reporting Anomalies

SDG Name: 240-17796-1_(76-SB,SS,SW)

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8270C/NONE	076SS-0007M-0001-SO	N	5	Benzyl alcohol	1700 U	110	1700	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	bis(2-Chloroethoxy) Methane	500 U	110	500	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	500 U	10	500	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	bis(2-Chloroisopropyl) Ether	500 U	48	500	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	Carbazole	250 U	140	250	50	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	Cresols, m & p	2000 U	100	2000	300	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	Hexachlorocyclopentadiene	1700 U	140	1700	330	UG/KG
SW8270C/NONE	076SS-0007M-0001-SO	N	5	Nitrobenzene	500 U	11	500	330	UG/KG
SW8270C/NONE	076SS-0022M-0001-SO	N	1	Cresols, m & p	400 U	20	400	300	UG/KG

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8330B/NONE	076-0067-0001-ER	N	1	2-Amino-4,6-dinitrotoluene	0.21 U	0.015	0.21	0.2	UG/L
SW8330B/NONE	076-0067-0001-ER	N	1	2-Nitrotoluene	0.51 U	0.09	0.51	0.2	UG/L
SW8330B/NONE	076-0067-0001-ER	N	1	3-Nitrotoluene	0.51 U	0.059	0.51	0.2	UG/L
SW8330B/NONE	076-0067-0001-ER	N	1	4-Nitrotoluene	0.51 U	0.09	0.51	0.2	UG/L
SW8330B/NONE	076SW-0013-0001-SW	N	1	2-Nitrotoluene	0.51 U	0.09	0.51	0.2	UG/L
SW8330B/NONE	076SW-0013-0001-SW	N	1	3-Nitrotoluene	0.51 U	0.058	0.51	0.2	UG/L
SW8330B/NONE	076SW-0013-0001-SW	N	1	4-Nitrotoluene	0.51 U	0.09	0.51	0.2	UG/L
SW8330B/NONE	076SW-0014-0001-SW	FD	1	2-Amino-4,6-dinitrotoluene	0.21 U	0.015	0.21	0.2	UG/L
SW8330B/NONE	076SW-0014-0001-SW	FD	1	2-Nitrotoluene	0.52 U	0.091	0.52	0.2	UG/L
SW8330B/NONE	076SW-0014-0001-SW	FD	1	3-Nitrotoluene	0.52 U	0.059	0.52	0.2	UG/L
SW8330B/NONE	076SW-0014-0001-SW	FD	1	4-Nitrotoluene	0.52 U	0.091	0.52	0.2	UG/L
SW8330B/NONE	076SW-0015-0001-SW	N	1	2-Amino-4,6-dinitrotoluene	0.21 U	0.015	0.21	0.2	UG/L
SW8330B/NONE	076SW-0015-0001-SW	N	1	2-Nitrotoluene	0.52 U	0.091	0.52	0.2	UG/L
SW8330B/NONE	076SW-0015-0001-SW	N	1	3-Nitrotoluene	0.52 U	0.059	0.52	0.2	UG/L
SW8330B/NONE	076SW-0015-0001-SW	N	1	4-Nitrotoluene	0.52 U	0.091	0.52	0.2	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Worksheet

SDG Name: 240-17796-1_(76-SB,SS,SW)

Method: E353.2

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?			•	Not Required
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?			•	Not Required
Were ICV/CCV results within QAPP acceptance limits?			•	Not Required
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?			•	Not Required
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Was a duplicate sample prepared and analyzed with each batch?				
Was the duplicate RPD within QAPP acceptance limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD recoveries and RPDs within QAPP acceptance limits?				
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: M8015V

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?				
Were samples preserved properly and received in good condition?				
Were sample receipt temperatures met?				
Were holding times for prep and analysis met?				
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?				
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?				
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?				
Was a CCV run at the beginning of the analytical sequence and every 12 hours?				
Was the CCV a mid-level standard from the initial calibration curve?				
Was the CCV %D within criteria (%D =20%)?				
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the method blank above the MDL?				
Was a field blank (equipment or trip) collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Were surrogate recoveries within QAPP acceptance limits?				
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)				
Were the LCS recoveries within QAPP acceptance limits?				
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were MS/MSD recoveries and RPD within QAPP acceptance limits?				
Were all QAPP-specified target analytes reported?				
Were reported sample concentrations within calibration range?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Were sample preparation sheets present and filled out appropriately?				
Were instrument run logs present and filled out appropriately?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?			•	Not Required
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?			•	Not Required
Were ICV/CCV results within QAPP acceptance limits?			•	Not Required
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?			•	Not Required
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Was an Interference Check Standard (ICS) run at the beginning and end of every run?			•	Not Required
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Was a serial dilution prepared and analyzed with each batch?			•	Not Required
Was the serial dilution within QAPP acceptance limits?			•	Not Required
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW7196A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?			•	Not Required
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?			•	Not Required
Were ICV/CCV results within QAPP acceptance limits?			•	Not Required
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?			•	Not Required
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

Method: SW7470A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW7470A

Review Questions	Yes	No	NA	Comment
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?			•	Not Required
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?			•	Not Required
Were ICV/CCV results within QAPP acceptance limits?			•	Not Required
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?			•	Not Required
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

Method: SW7471A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW7471A				
Review Questions	Yes	No	NA	Comment
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?			•	Not Required
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?			•	Not Required
Were ICV/CCV results within QAPP acceptance limits?			•	Not Required
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?			•	Not Required
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

Method: SW8081				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?				
Were samples preserved properly and received in good condition?				
Were sample receipt temperatures met?				
Were holding times for prep and analysis met?				
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8081

Review Questions	Yes	No	NA	Comment
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?				
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?				
Was a CCV run at the beginning of the analytical sequence and every 12 hours?				
Was the CCV a mid-level standard from the initial calibration curve?				
Was the CCV %D within criteria (%D =20%)?				
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the method blank above the MDL?				
Was a field blank (equipment or trip) collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Were surrogate recoveries within QAPP acceptance limits?				
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)				
Were the LCS recoveries within QAPP acceptance limits?				
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?				
Were the Breakdown products within QAPP acceptance limits?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were MS/MSD recoveries and RPD within QAPP acceptance limits?				
Were all QAPP-specified target analytes reported?				
Were reported sample concentrations within calibration range?				
Were RPDs between primary and confirmation columns < 40%?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Were sample preparation sheets present and filled out appropriately?				
Were instrument run logs present and filled out appropriately?				

Method: SW8082

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8082

Review Questions	Yes	No	NA	Comment
Were samples preserved properly and received in good condition?				
Were sample receipt temperatures met?				
Were holding times for prep and analysis met?				
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?				
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?				
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?				
Was a CCV run at the beginning of the analytical sequence and every 12 hours?				
Was the CCV a mid-level standard from the initial calibration curve?				
Was the CCV %D within criteria (%D =20%)?				
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the method blank above the MDL?				
Was a field blank (equipment or trip) collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Were surrogate recoveries within QAPP acceptance limits?				
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)				
Were the LCS recoveries within QAPP acceptance limits?				
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?				
Were the Breakdown products within QAPP acceptance limits?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were MS/MSD recoveries and RPD within QAPP acceptance limits?				
Were all QAPP-specified target analytes reported?				
Were reported sample concentrations within calibration range?				
Were RPDs between primary and confirmation columns < 40%?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Were sample preparation sheets present and filled out appropriately?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8082

Review Questions	Yes	No	NA	Comment
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Were instrument run logs present and filled out appropriately?

Method: SW8151

Review Questions	Yes	No	NA	Comment
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Did Chain-of-Custody information agree with laboratory report?

Were samples preserved properly and received in good condition?

Were sample receipt temperatures met?

Were holding times for prep and analysis met?

Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?

Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?

Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?

Was a CCV run at the beginning of the analytical sequence and every 12 hours?

Was the CCV a mid-level standard from the initial calibration curve?

Was the CCV %D within criteria (%D =20%)?

Was a method blank prepared and analyzed with each batch?

Were target analytes detected in the method blank above the MDL?

Was a field blank (equipment or trip) collected and analyzed?

Were target analytes reported in the field blank analyses above the MDL?

Were surrogate recoveries within QAPP acceptance limits?

Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)

Were the LCS recoveries within QAPP acceptance limits?

Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)

If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?

Were the Breakdown products within QAPP acceptance limits?

Is the MS/MSD parent sample the one designated by the sampling team?

Were MS/MSD recoveries and RPD within QAPP acceptance limits?

Were all QAPP-specified target analytes reported?

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8151				
Review Questions	Yes	No	NA	Comment
Were reported sample concentrations within calibration range?				
Were RPDs between primary and confirmation columns < 40%?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Were sample preparation sheets present and filled out appropriately?				
Were instrument run logs present and filled out appropriately?				
Method: SW8260B				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified PQLs achieved?				
Were all QAPP-specified target analytes reported?				
Was the GC/MS system properly tuned based on method criteria?			•	Not Required
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?			•	Not Required
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?			•	Not Required
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?			•	Not Required
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?			•	Not Required
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?			•	Not Required
If a linear regression curve was used, was the correlation coefficient within criteria?			•	Not Required
Was a second source verification analyzed after the ICAL and all analytes within criteria?			•	Not Required
Was a CCV run at the beginning of the analytical sequence and every 12 hours?			•	Not Required
Was the CCV a mid-level standard from the initial calibration curve?			•	Not Required
Did the CCCs have a %Difference within QAPP acceptance limits?			•	Not Required

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8260B				
Review Questions	Yes	No	NA	Comment
Were the average RFs for the SPCCs within QAPP acceptance limits?			•	Not Required
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?			•	Not Required
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?			•	Not Required
Were the retention times for all IS compounds within QAPP acceptance limits?			•	Not Required
Are the area counts of all IS compounds within QAPP acceptance limits?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the method blank above the MDL?				
Was a field blank (equipment or trip) collected and analyzed at the required frequency?				
Were target analytes reported in the field blank analyses above the MDL?				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?				
Was an LCS/LCSD pair prepared and analyzed with each batch?				
Were the LCS/LCSD recoveries within QAPP acceptance limits?				
Were the LCS/LCSD RPDs within QAPP acceptance limits?				
Was the duplicate RPD within QAPP acceptance limits?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were MS/MSD recoveries and RPD within QAPP acceptance limits?				
Were surrogate recoveries within QAPP acceptance limits?				
Were reported sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Were instrument run logs present and filled out appropriately?				
Were sample preparation sheets present and filled out appropriately?				
Method: SW8270C				
Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified PQLs achieved?				
Were all QAPP-specified target analytes reported?				
Was the GC/MS system properly tuned based on method criteria?			•	Not Required
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?			•	Not Required
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?			•	Not Required
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?			•	Not Required
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?			•	Not Required
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?			•	Not Required
If a linear regression curve was used, was the correlation coefficient within criteria?			•	Not Required
Was a second source verification analyzed after the ICAL and all analytes within criteria?			•	Not Required
Was a CCV run at the beginning of the analytical sequence and every 12 hours?			•	Not Required
Was the CCV a mid-level standard from the initial calibration curve?			•	Not Required
Did the CCCs have a %Difference within QAPP acceptance limits?			•	Not Required
Were the average RFs for the SPCCs within QAPP acceptance limits?			•	Not Required
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?			•	Not Required
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?			•	Not Required
Were the retention times for all IS compounds within QAPP acceptance limits?			•	Not Required
Are the area counts of all IS compounds within QAPP acceptance limits?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the method blank above the MDL?				
Was a field blank (equipment or trip) collected and analyzed at the required frequency?				
Were target analytes reported in the field blank analyses above the MDL?				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?				
Was an LCS/LCSD pair prepared and analyzed with each batch?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Were the LCS/LCSD recoveries within QAPP acceptance limits?				
Were the LCS/LCSD RPDs within QAPP acceptance limits?				
Was the duplicate RPD within QAPP acceptance limits?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were MS/MSD recoveries and RPD within QAPP acceptance limits?				
Were surrogate recoveries within QAPP acceptance limits?				
Were reported sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Were instrument run logs present and filled out appropriately?				
Were sample preparation sheets present and filled out appropriately?				

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?				
Were samples preserved properly and received in good condition?				
Were sample receipt temperatures met?				
Were holding times for prep and analysis met?				
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?				
Is the ICAL %RSD within acceptance limits (%D =20%) on both columns?				
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?				
Was a CCV run at the beginning of the analytical sequence and every 12 hours?				
Was the CCV a mid-level standard from the initial calibration curve?				
Was the CCV %D within criteria (%D =20%)?				
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the method blank above the MDL?				
Was a field blank (equipment or trip) collected and analyzed?				

AUTOMATED DATA REVIEW SUMMARY for 240-17796-1_(76-SB,SS,SW)

Method: SW8330B				
Review Questions	Yes	No	NA	Comment
Were target analytes reported in the field blank analyses above the MDL?				
Were surrogate recoveries within QAPP acceptance limits?				
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)				
Were the LCS recoveries within QAPP acceptance limits?				
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits (RPD = 30%) ?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were MS/MSD recoveries and RPD within QAPP acceptance limits?				
Were all QAPP-specified target analytes reported?				
Were reported sample concentrations within calibration range?				
Were RPDs between primary and confirmation columns < 40%?				
Did PDA spectra for reported compounds match associated standard spectra?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Were sample preparation sheets present and filled out appropriately?				
Were instrument run logs present and filled out appropriately?				

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WORKSHEET 9

**Automated Data Review Summary for 240-17796-2
Equipment Rinsate Blank**

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AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Facility: Ravenna Army Ammunition Plant

Event: Fall 2012 SI/RI Sampling

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Otis Ang Base, MA

Data Review Contractor:

SDG: 240-17796-2, Certified - 1/3/2013 by frederickroche

QC Level: ADR

Project Manager:

Data Reviewer:

Data Reviewer Title:

Date of Review Report:

Samples Included in SDG 240-17796-2

Analytical Method/ Leach Method	Normal Soil Samples	Field QC Soil Samples
SW6020/NONE	23	0

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Otis Ang Base, MA; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-17796-2. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Blank
- Blank - Negative
- Lab Replicate RPD
- LCS Recovery
- MS Recovery
- Prep Hold Time
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Ambient Blank
- Calibration Blank
- Calibration Blank - Negative
- Continuing Calibration Verification
- Equipment Blank
- Field Blank
- Field Duplicate RPD

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Initial Calibration Verification

LCS RPD

Material Blank

MS RPD

Surrogate

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 4 results (0.79%) out of the 506 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
SW6020	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Reviewed by ,

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreeec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreeec C.
Y1	False Positive
Y2	Data rejected due to radiological anomalies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Batch Report

Test Method: SW6020; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
59262	59062	NA	LABQC	SQ	LABQC	MB 180-59062/1-A		1/1	27-Nov-2012 10:06 AM	27-Nov-2012 10:06 AM	22-Dec-2012 9:29 PM	LB
	59062	NA	LABQC	SQ	LABQC	LCS 180-59062/2-A		1/1	27-Nov-2012 10:06 AM	27-Nov-2012 10:06 AM	22-Dec-2012 9:33 PM	BS
	59062	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	27-Nov-2012 10:06 AM	22-Dec-2012 9:40 PM	N
	59062	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	27-Nov-2012 10:06 AM	22-Dec-2012 10:04 PM	LR
	59062	NA	76-U4-DU1-SB	SO	076SB-0023M-0001-SO	240-17796-1		1/1	15-Nov-2012 9:15 AM	27-Nov-2012 10:06 AM	22-Dec-2012 10:08 PM	MS
	59062	NA	76-U10-DU1-SS	SO	076SS-0022M-0001-SO	240-17796-2		1/1	15-Nov-2012 12:25 PM	27-Nov-2012 10:06 AM	22-Dec-2012 10:20 PM	N
	59062	NA	76-U4-DU1-SB	SO	076SB-0024M-0001-SO	240-17796-3		1/1	15-Nov-2012 10:20 AM	27-Nov-2012 10:06 AM	22-Dec-2012 10:24 PM	N
	59062	NA	76-U4-DU1-SB1	SO	076SB-0025M-0001-SO	240-17796-4		1/1	15-Nov-2012 9:00 AM	27-Nov-2012 10:06 AM	22-Dec-2012 10:28 PM	N
	59062	NA	76-U4-DU1-SB2	SO	076SB-0026M-0001-SO	240-17796-5		1/1	15-Nov-2012 9:20 AM	27-Nov-2012 10:06 AM	22-Dec-2012 10:33 PM	N
	59062	NA	76-U4-DU1-SB3	SO	076SB-0027M-0001-SO	240-17796-6		1/1	15-Nov-2012 9:40 AM	27-Nov-2012 10:06 AM	22-Dec-2012 10:37 PM	N
	59062	NA	76-U4-DU1-SB4	SO	076SB-0028M-0001-SO	240-17796-7		1/1	15-Nov-2012 10:00 AM	27-Nov-2012 10:06 AM	22-Dec-2012 10:41 PM	N
	59062	NA	76-U4-DU1-SB5	SO	076SB-0029M-0001-SO	240-17796-8		1/1	15-Nov-2012 10:25 AM	27-Nov-2012 10:06 AM	22-Dec-2012 11:01 PM	N
	59062	NA	76-U20-DU1-SB	SO	076SB-0053M-0001-SO	240-17796-9		1/1	15-Nov-2012 3:55 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:05 PM	N
	59062	NA	76-U20-DU1-SS	SO	076SS-0007M-0001-SO	240-17796-10		1/1	15-Nov-2012 3:45 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:09 PM	N
	59062	NA	76-U20-DU1-SB	SO	076SB-0054M-0001-SO	240-17796-11		1/1	15-Nov-2012 3:56 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:14 PM	N
	59062	NA	76-U20-DU1-SB1	SO	076SB-0055M-0001-SO	240-17796-12		1/1	15-Nov-2012 1:45 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:18 PM	N
	59062	NA	76-U20-DU1-SB2	SO	076SB-0056M-0001-SO	240-17796-13		1/1	15-Nov-2012 2:10 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:22 PM	N
	59062	NA	76-U20-DU1-SB3	SO	076SB-0057M-0001-SO	240-17796-14		1/1	15-Nov-2012 2:40 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:27 PM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Batch Report

Test Method: SW6020; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
59262	59062	NA	76-U20-DU1-SB4	SO	076SB-0058M-0001-SO	240-17796-15		1/1	15-Nov-2012 3:30 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:31 PM	N
	59062	NA	76-U20-DU1-SB5	SO	076SB-0059M-0001-SO	240-17796-16		1/1	15-Nov-2012 4:00 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:35 PM	N
	59062	NA	76-A3-DU1-SB	SO	076SB-0060M-0001-SO	240-17796-22		1/1	15-Nov-2012 5:35 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:40 PM	N
	59062	NA	76-A3-DU1-SB	SO	076SB-0061M-0001-SO	240-17796-23		1/1	15-Nov-2012 5:36 PM	27-Nov-2012 10:06 AM	22-Dec-2012 11:59 PM	N
	59062	NA	76-A3-DU1-SB1	SO	076SB-0062M-0001-SO	240-17796-24		1/1	15-Nov-2012 5:05 PM	27-Nov-2012 10:06 AM	23-Dec-2012 12:04 AM	N
59320	59062	NA	LABQC	SQ	LABQC	MB 180-59062/1-A		2/1	27-Nov-2012 10:06 AM	27-Nov-2012 10:06 AM	23-Dec-2012 7:08 PM	LB
	59062	NA	76-A3-DU1-SB2	SO	076SB-0063M-0001-SO	240-17796-25		1/1	15-Nov-2012 5:15 PM	27-Nov-2012 10:06 AM	23-Dec-2012 7:13 PM	N
59262	59171	NA	LABQC	SQ	LABQC	MB 180-59171/1-A		1/1	28-Nov-2012 12:40 PM	28-Nov-2012 12:40 PM	23-Dec-2012 12:14 AM	LB
	59171	NA	LABQC	SQ	LABQC	LCS 180-59171/2-A		1/1	28-Nov-2012 12:40 PM	28-Nov-2012 12:40 PM	23-Dec-2012 12:18 AM	BS
	59171	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/1	15-Nov-2012 5:25 PM	28-Nov-2012 12:40 PM	23-Dec-2012 12:22 AM	N
	59171	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/1	15-Nov-2012 5:25 PM	28-Nov-2012 12:40 PM	23-Dec-2012 12:31 AM	LR
	59171	NA	76-A3-DU1-SB3	SO	076SB-0064M-0001-SO	240-17796-26		1/1	15-Nov-2012 5:25 PM	28-Nov-2012 12:40 PM	23-Dec-2012 12:35 AM	MS
	59171	NA	76-A3-DU1-SB4	SO	076SB-0065M-0001-SO	240-17796-27		1/1	15-Nov-2012 5:40 PM	28-Nov-2012 12:40 PM	23-Dec-2012 12:59 AM	N
	59171	NA	76-A3-DU1-SB5	SO	076SB-0066M-0001-SO	240-17796-28		1/1	15-Nov-2012 4:50 PM	28-Nov-2012 12:40 PM	23-Dec-2012 1:04 AM	N

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Field Batch Report

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

QC Outlier Report

Test/Prep/Leach	QC Element	Sample ID/ Lab Sample ID	Run# / Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
SW6020 / SW3050B/NONE	Blank	MB 180-59062/1-A (LB) / MB 180-59062/1-A	1 / 1.00	Aluminum	0.50 (MG/KG)	U/None	< 0.28	< 3	L		1	0.495
SW6020 / SW3050B/NONE	Blank	MB 180-59062/1-A (LB) / MB 180-59062/1-A	2 / 1.00	Aluminum	0.65 (MG/KG)	U/None	< 0.28	< 3	L		1	0.652
SW6020 / SW3050B/NONE	Blank	MB 180-59062/1-A (LB) / MB 180-59062/1-A	1 / 1.00	Calcium	1.4 (MG/KG)	U/None	< 1.3	< 10	L		1	1.43
SW6020 / SW3050B/NONE	Blank	MB 180-59062/1-A (LB) / MB 180-59062/1-A	2 / 1.00	Calcium	1.8 (MG/KG)	U/None	< 1.3	< 10	L		1	1.81
SW6020 / SW3050B/NONE	Blank	MB 180-59062/1-A (LB) / MB 180-59062/1-A	1 / 1.00	Iron	2.4 (MG/KG)	U/None	< 1.1	< 5	L		1	2.37
SW6020 / SW3050B/NONE	Blank	MB 180-59062/1-A (LB) / MB 180-59062/1-A	2 / 1.00	Manganese	0.039 (MG/KG)	U/None	< 0.016	< 0.5	L		1	0.0391
SW6020 / SW3050B/NONE	Blank	MB 180-59062/1-A (LB) / MB 180-59062/1-A	2 / 1.00	Zinc	0.078 (MG/KG)	U/None	< 0.065	< 0.5	L		1	0.0780
SW6020 / SW3050B/NONE	Blank	MB 180-59171/1-A (LB) / MB 180-59171/1-A	1 / 1.00	Aluminum	0.70 (MG/KG)	U/None	< 0.28	< 3	L		1	0.695
SW6020 / SW3050B/NONE	Blank	MB 180-59171/1-A (LB) / MB 180-59171/1-A	1 / 1.00	Calcium	1.4 (MG/KG)	U/None	< 1.3	< 10	L		1	1.44
SW6020 / SW3050B/NONE	Blank	MB 180-59171/1-A (LB) / MB 180-59171/1-A	1 / 1.00	Iron	2.3 (MG/KG)	U/None	< 1.1	< 5	L		1	2.32
SW6020 / SW3050B/NONE	Blank	MB 180-59171/1-A (LB) / MB 180-59171/1-A	1 / 1.00	Manganese	0.020 (MG/KG)	U/None	< 0.016	< 0.5	L		1	0.0199

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Aluminum	2.8	7300	7300 J		MG/KG	M
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Antimony	0.19	0.11	0.11 J		MG/KG	TR
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Iron	4.7	22000	22000 J		MG/KG	M
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Manganese	0.47	590	590 J		MG/KG	M
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Silver	0.094	0.021	0.021 J		MG/KG	TR
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Zinc	0.47	46.0	46.0 J		MG/KG	M
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Antimony	0.19	0.11	0.11 J		MG/KG	TR
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Selenium	0.46	0.43	0.43 J		MG/KG	TR
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Silver	0.093	0.020	0.020 J		MG/KG	TR
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Antimony	0.18	0.092	0.092 J		MG/KG	TR
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Selenium	0.45	0.39	0.39 J		MG/KG	TR
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Silver	0.091	0.019	0.019 J		MG/KG	TR
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Antimony	0.15	0.095	0.095 J		MG/KG	TR
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Silver	0.073	0.022	0.022 J		MG/KG	TR
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Silver	0.087	0.037	0.037 J		MG/KG	TR
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Antimony	0.15	0.090	0.090 J		MG/KG	TR
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Silver	0.076	0.013	0.013 J		MG/KG	TR
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Antimony	0.17	0.11	0.11 J		MG/KG	TR
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Silver	0.085	0.024	0.024 J		MG/KG	TR
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Antimony	0.16	0.064	0.064 J		MG/KG	TR
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Selenium	0.40	0.32	0.32 J		MG/KG	TR
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Silver	0.081	0.024	0.024 J		MG/KG	TR
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Antimony	0.14	0.058	0.058 J		MG/KG	TR
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Silver	0.072	0.027	0.027 J		MG/KG	TR
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Antimony	0.18	0.053	0.053 J		MG/KG	TR
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Selenium	0.44	0.38	0.38 J		MG/KG	TR
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Silver	0.088	0.027	0.027 J		MG/KG	TR
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Antimony	0.14	0.065	0.065 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Silver	0.070	0.023	0.023 J		MG/KG	TR
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Antimony	0.20	0.063	0.063 J		MG/KG	TR
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Selenium	0.49	0.38	0.38 J		MG/KG	TR
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Silver	0.098	0.026	0.026 J		MG/KG	TR
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Antimony	0.18	0.050	0.050 J		MG/KG	TR
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Selenium	0.44	0.36	0.36 J		MG/KG	TR
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Silver	0.088	0.022	0.022 J		MG/KG	TR
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Antimony	0.19	0.053	0.053 J		MG/KG	TR
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Selenium	0.47	0.41	0.41 J		MG/KG	TR
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Silver	0.094	0.030	0.030 J		MG/KG	TR
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Antimony	0.19	0.18	0.18 J		MG/KG	TR
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Silver	0.096	0.028	0.028 J		MG/KG	TR
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Thallium	0.096	0.072	0.072 J		MG/KG	TR
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Antimony	0.18	0.072	0.072 J		MG/KG	TR
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Selenium	0.46	0.40	0.40 J		MG/KG	TR
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Silver	0.092	0.029	0.029 J		MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Antimony	0.19	0.058	0.058 J		MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Selenium	0.49	0.43	0.43 J		MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Silver	0.097	0.052	0.052 J		MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Thallium	0.097	0.087	0.087 J		MG/KG	TR
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Antimony	0.16	0.13	0.13 J		MG/KG	TR
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Silver	0.078	0.027	0.027 J		MG/KG	TR
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Antimony	0.18	0.12	0.12 J		MG/KG	TR
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Silver	0.092	0.021	0.021 J		MG/KG	TR
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Silver	0.074	0.026	0.026 J		MG/KG	TR
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Antimony	0.17	0.11	0.11 J		MG/KG	TR
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Silver	0.087	0.035	0.035 J		MG/KG	TR
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Antimony	0.19	0.12	0.12 J		MG/KG	TR
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Antimony	0.20	0.10	0.10 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Silver	0.098	0.026	0.026 J		MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Silver	0.094	0.021	0.021 J	MG/KG	TR
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Aluminum	2.8	7300	7300 J	MG/KG	M
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Arsenic	0.094	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Barium	0.94	50.0	50.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Beryllium	0.094	0.44	0.44	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Calcium	9.4	950	950	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Cadmium	0.094	0.14	0.14	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Cobalt	0.047	7.3	7.3	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Chromium	0.19	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Copper	0.19	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Iron	4.7	22000	22000 J	MG/KG	M
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Potassium	9.4	570	570	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Magnesium	9.4	1500	1500	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Manganese	0.47	590	590 J	MG/KG	M
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Sodium	9.4	21.0	21.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Nickel	0.094	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Lead	0.094	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Antimony	0.19	0.11	0.11 J	MG/KG	TR
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Selenium	0.47	0.52	0.52	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Thallium	0.094	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Vanadium	0.094	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0023M-0001-SO	240-17796-1	N	Zinc	0.47	46.0	46.0 J	MG/KG	M
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Silver	0.093	0.020	0.020 J	MG/KG	TR
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Aluminum	2.8	5900	5900	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Arsenic	0.093	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Barium	0.93	41.0	41.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Beryllium	0.093	0.37	0.37	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Calcium	9.3	890	890	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Cadmium	0.093	0.14	0.14	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Cobalt	0.046	7.2	7.2	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Chromium	0.19	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Copper	0.19	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Iron	4.6	22000	22000	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Potassium	9.3	620	620	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Magnesium	9.3	1600	1600	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Manganese	0.46	470	470	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Sodium	9.3	22.0	22.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Nickel	0.093	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Lead	0.093	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Antimony	0.19	0.11	0.11 J	MG/KG	TR
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Selenium	0.46	0.43	0.43 J	MG/KG	TR
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Thallium	0.093	0.12	0.12	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Vanadium	0.093	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0024M-0001-SO	240-17796-3	N	Zinc	0.46	51.0	51.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Silver	0.091	0.019	0.019 J	MG/KG	TR
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Aluminum	2.7	6600	6600	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Arsenic	0.091	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Barium	0.91	41.0	41.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Beryllium	0.091	0.35	0.35	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Calcium	9.1	1100	1100	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Cadmium	0.091	0.17	0.17	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Cobalt	0.045	7.0	7.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Chromium	0.18	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Copper	0.18	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Iron	4.5	21000	21000	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Potassium	9.1	620	620	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Magnesium	9.1	1800	1800	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Manganese	0.45	300	300	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Sodium	9.1	26.0	26.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Nickel	0.091	19.0	19.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Lead	0.091	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Antimony	0.18	0.092	0.092 J	MG/KG	TR
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Selenium	0.45	0.39	0.39 J	MG/KG	TR
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Thallium	0.091	0.13	0.13	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Vanadium	0.091	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0025M-0001-SO	240-17796-4	N	Zinc	0.45	50.0	50.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Silver	0.073	0.022	0.022 J	MG/KG	TR
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Aluminum	2.2	6300	6300	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Arsenic	0.073	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Barium	0.73	37.0	37.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Beryllium	0.073	0.39	0.39	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Calcium	7.3	700	700	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Cadmium	0.073	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Cobalt	0.036	8.5	8.5	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Chromium	0.15	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Copper	0.15	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Iron	3.6	21000	21000	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Potassium	7.3	620	620	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Magnesium	7.3	1700	1700	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Manganese	0.36	450	450	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Sodium	7.3	20.0	20.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Nickel	0.073	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Lead	0.073	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Antimony	0.15	0.095	0.095 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Selenium	0.36	0.41	0.41	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Thallium	0.073	0.13	0.13	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Vanadium	0.073	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0026M-0001-SO	240-17796-5	N	Zinc	0.36	49.0	49.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Silver	0.087	0.037	0.037 J	MG/KG	TR
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Aluminum	2.6	7200	7200	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Arsenic	0.087	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Barium	0.87	62.0	62.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Beryllium	0.087	0.47	0.47	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Calcium	8.7	980	980	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Cadmium	0.087	0.16	0.16	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Cobalt	0.043	8.6	8.6	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Chromium	0.17	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Copper	0.17	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Iron	4.3	20000	20000	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Potassium	8.7	560	560	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Magnesium	8.7	1300	1300	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Manganese	0.43	930	930	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Sodium	8.7	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Nickel	0.087	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Lead	0.087	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Antimony	0.17	0.29	0.29	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Selenium	0.43	0.46	0.46	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Thallium	0.087	0.12	0.12	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Vanadium	0.087	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0027M-0001-SO	240-17796-6	N	Zinc	0.43	45.0	45.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Silver	0.076	0.013	0.013 J	MG/KG	TR
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Aluminum	2.3	6100	6100	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Arsenic	0.076	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Barium	0.76	37.0	37.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Beryllium	0.076	0.34	0.34	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Calcium	7.6	630	630	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Cadmium	0.076	0.13	0.13	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Cobalt	0.038	7.8	7.8	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Chromium	0.15	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Copper	0.15	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Iron	3.8	20000	20000	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Potassium	7.6	580	580	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Magnesium	7.6	1600	1600	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Manganese	0.38	380	380	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Sodium	7.6	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Nickel	0.076	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Lead	0.076	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Antimony	0.15	0.090	0.090 J	MG/KG	TR
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Selenium	0.38	0.51	0.51	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Thallium	0.076	0.099	0.099	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Vanadium	0.076	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0028M-0001-SO	240-17796-7	N	Zinc	0.38	46.0	46.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Silver	0.085	0.024	0.024 J	MG/KG	TR
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Aluminum	2.6	6000	6000	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Arsenic	0.085	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Barium	0.85	48.0	48.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Beryllium	0.085	0.47	0.47	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Calcium	8.5	1600	1600	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Cadmium	0.085	0.17	0.17	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Cobalt	0.043	7.2	7.2	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Chromium	0.17	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Copper	0.17	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Iron	4.3	24000	24000	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Potassium	8.5	500	500	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Magnesium	8.5	1400	1400	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Manganese	0.43	710	710	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Sodium	8.5	27.0	27.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Nickel	0.085	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Lead	0.085	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Antimony	0.17	0.11	0.11 J	MG/KG	TR
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Selenium	0.43	0.43	0.43	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Thallium	0.085	0.11	0.11	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Vanadium	0.085	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0029M-0001-SO	240-17796-8	N	Zinc	0.43	50.0	50.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Silver	0.081	0.024	0.024 J	MG/KG	TR
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Aluminum	2.4	7700	7700	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Arsenic	0.081	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Barium	0.81	36.0	36.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Beryllium	0.081	0.39	0.39	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Calcium	8.1	1700	1700	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Cadmium	0.081	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Cobalt	0.040	7.3	7.3	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Chromium	0.16	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Copper	0.16	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Iron	4.0	20000	20000	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Potassium	8.1	750	750	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Magnesium	8.1	2300	2300	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Manganese	0.40	270	270	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Sodium	8.1	32.0	32.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Nickel	0.081	20.0	20.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Lead	0.081	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Antimony	0.16	0.064	0.064 J	MG/KG	TR
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Selenium	0.40	0.32	0.32 J	MG/KG	TR
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Thallium	0.081	0.11	0.11	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Vanadium	0.081	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0053M-0001-SO	240-17796-9	N	Zinc	0.40	45.0	45.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Silver	0.072	0.027	0.027 J	MG/KG	TR
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Aluminum	2.2	6700	6700	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Arsenic	0.072	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Barium	0.72	30.0	30.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Beryllium	0.072	0.38	0.38	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Calcium	7.2	5000	5000	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Cadmium	0.072	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Cobalt	0.036	8.6	8.6	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Chromium	0.14	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Copper	0.14	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Iron	3.6	22000	22000	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Potassium	7.2	890	890	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Magnesium	7.2	3400	3400	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Manganese	0.36	360	360	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Sodium	7.2	40.0	40.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Nickel	0.072	22.0	22.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Lead	0.072	9.8	9.8	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Antimony	0.14	0.058	0.058 J	MG/KG	TR
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Selenium	0.36	0.46	0.46	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Thallium	0.072	0.11	0.11	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Vanadium	0.072	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0054M-0001-SO	240-17796-11	N	Zinc	0.36	50.0	50.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Silver	0.088	0.027	0.027 J	MG/KG	TR
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Aluminum	2.6	7200	7200	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Arsenic	0.088	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Barium	0.88	29.0	29.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Beryllium	0.088	0.41	0.41	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Calcium	8.8	5800	5800	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Cadmium	0.088	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Cobalt	0.044	9.4	9.4	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Chromium	0.18	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Copper	0.18	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Iron	4.4	23000	23000	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Potassium	8.8	940	940	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Magnesium	8.8	3800	3800	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Manganese	0.44	350	350	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Sodium	8.8	42.0	42.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Nickel	0.088	22.0	22.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Lead	0.088	9.7	9.7	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Antimony	0.18	0.053	0.053 J	MG/KG	TR
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Selenium	0.44	0.38	0.38 J	MG/KG	TR
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Thallium	0.088	0.11	0.11	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Vanadium	0.088	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0055M-0001-SO	240-17796-12	N	Zinc	0.44	47.0	47.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Silver	0.070	0.023	0.023 J	MG/KG	TR
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Aluminum	2.1	7300	7300	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Arsenic	0.070	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Barium	0.70	34.0	34.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Beryllium	0.070	0.37	0.37	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Calcium	7.0	2500	2500	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Cadmium	0.070	0.17	0.17	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Cobalt	0.035	7.5	7.5	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Chromium	0.14	23.0	23.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Copper	0.14	19.0	19.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Iron	3.5	21000	21000	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Potassium	7.0	780	780	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Magnesium	7.0	2500	2500	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Manganese	0.35	330	330	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Sodium	7.0	33.0	33.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Nickel	0.070	23.0	23.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Lead	0.070	10.0	10.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Antimony	0.14	0.065	0.065 J	MG/KG	TR
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Selenium	0.35	0.46	0.46	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Thallium	0.070	0.11	0.11	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Vanadium	0.070	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0056M-0001-SO	240-17796-13	N	Zinc	0.35	49.0	49.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Silver	0.098	0.026	0.026 J	MG/KG	TR
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Aluminum	2.9	8500	8500	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Arsenic	0.098	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Barium	0.98	37.0	37.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Beryllium	0.098	0.46	0.46	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Calcium	9.8	4000	4000	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Cadmium	0.098	0.13	0.13	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Cobalt	0.049	8.5	8.5	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Chromium	0.20	19.0	19.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Copper	0.20	18.0	18.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Iron	4.9	23000	23000	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Potassium	9.8	1200	1200	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Magnesium	9.8	3200	3200	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Manganese	0.49	330	330	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Sodium	9.8	47.0	47.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Nickel	0.098	23.0	23.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Lead	0.098	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Antimony	0.20	0.063	0.063 J	MG/KG	TR
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Selenium	0.49	0.38	0.38 J	MG/KG	TR
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Thallium	0.098	0.12	0.12	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Vanadium	0.098	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0057M-0001-SO	240-17796-14	N	Zinc	0.49	62.0	62.0	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Silver	0.088	0.022	0.022 J	MG/KG	TR
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Aluminum	2.6	8000	8000	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Arsenic	0.088	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Barium	0.88	32.0	32.0	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Beryllium	0.088	0.47	0.47	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Calcium	8.8	4100	4100	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Cadmium	0.088	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Cobalt	0.044	9.1	9.1	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Chromium	0.18	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Copper	0.18	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Iron	4.4	23000	23000	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Potassium	8.8	1100	1100	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Magnesium	8.8	3700	3700	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Manganese	0.44	350	350	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Sodium	8.8	43.0	43.0	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Nickel	0.088	23.0	23.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Lead	0.088	9.4	9.4	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Antimony	0.18	0.050	0.050 J	MG/KG	TR
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Selenium	0.44	0.36	0.36 J	MG/KG	TR
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Thallium	0.088	0.11	0.11	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Vanadium	0.088	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0058M-0001-SO	240-17796-15	N	Zinc	0.44	58.0	58.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Silver	0.094	0.030	0.030 J	MG/KG	TR
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Aluminum	2.8	6600	6600	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Arsenic	0.094	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Barium	0.94	31.0	31.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Beryllium	0.094	0.37	0.37	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Calcium	9.4	2200	2200	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Cadmium	0.094	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Cobalt	0.047	7.6	7.6	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Chromium	0.19	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Copper	0.19	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Iron	4.7	20000	20000	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Potassium	9.4	920	920	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Magnesium	9.4	2600	2600	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Manganese	0.47	300	300	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Sodium	9.4	37.0	37.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Nickel	0.094	19.0	19.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Lead	0.094	10.0	10.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Antimony	0.19	0.053	0.053 J	MG/KG	TR
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Selenium	0.47	0.41	0.41 J	MG/KG	TR
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Thallium	0.094	0.10	0.10	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Vanadium	0.094	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0059M-0001-SO	240-17796-16	N	Zinc	0.47	46.0	46.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Silver	0.096	0.028	0.028 J	MG/KG	TR
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Aluminum	2.9	6800	6800	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Arsenic	0.096	6.7	6.7	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Barium	0.96	52.0	52.0	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Beryllium	0.096	0.60	0.60	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Calcium	9.6	14000	14000	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Cadmium	0.096	0.16	0.16	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Cobalt	0.048	4.2	4.2	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Chromium	0.19	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Copper	0.19	8.7	8.7	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Iron	4.8	14000	14000	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Potassium	9.6	810	810	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Magnesium	9.6	2400	2400	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Manganese	0.48	650	650	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Sodium	9.6	78.0	78.0	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Nickel	0.096	10.0	10.0	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Lead	0.096	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Antimony	0.19	0.18	0.18 J	MG/KG	TR
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Selenium	0.48	0.55	0.55	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Thallium	0.096	0.072	0.072 J	MG/KG	TR
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Vanadium	0.096	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0060M-0001-SO	240-17796-22	N	Zinc	0.48	33.0	33.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Silver	0.092	0.029	0.029 J	MG/KG	TR
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Aluminum	2.8	7900	7900	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Arsenic	0.092	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Barium	0.92	53.0	53.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Beryllium	0.092	0.46	0.46	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Calcium	9.2	1600	1600	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Cadmium	0.092	0.17	0.17	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Cobalt	0.046	8.6	8.6	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Chromium	0.18	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Copper	0.18	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Iron	4.6	22000	22000	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Potassium	9.2	1100	1100	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Magnesium	9.2	2400	2400	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Manganese	0.46	350	350	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Sodium	9.2	37.0	37.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Nickel	0.092	22.0	22.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Lead	0.092	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Antimony	0.18	0.072	0.072 J	MG/KG	TR
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Selenium	0.46	0.40	0.40 J	MG/KG	TR
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Thallium	0.092	0.11	0.11	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Vanadium	0.092	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0061M-0001-SO	240-17796-23	N	Zinc	0.46	53.0	53.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Silver	0.097	0.052	0.052 J	MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Aluminum	2.9	7300	7300	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Arsenic	0.097	10.0	10.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Barium	0.97	63.0	63.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Beryllium	0.097	0.46	0.46	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Calcium	9.7	4000	4000	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Cadmium	0.097	0.24	0.24	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Cobalt	0.049	6.0	6.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Chromium	0.19	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Copper	0.19	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Iron	4.9	19000	19000	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Potassium	9.7	1100	1100	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Magnesium	9.7	2300	2300	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Manganese	0.49	410	410	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Sodium	9.7	36.0	36.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Nickel	0.097	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Lead	0.097	9.5	9.5	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Antimony	0.19	0.058	0.058 J	MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Selenium	0.49	0.43	0.43 J	MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Thallium	0.097	0.087	0.087 J	MG/KG	TR
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Vanadium	0.097	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0062M-0001-SO	240-17796-24	N	Zinc	0.49	42.0	42.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Silver	0.078	0.027	0.027 J	MG/KG	TR
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Aluminum	2.3	7700	7700	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Arsenic	0.078	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Barium	0.78	42.0	42.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Beryllium	0.078	0.38	0.38	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Calcium	7.8	1300	1300	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Cadmium	0.078	0.16	0.16	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Cobalt	0.039	7.5	7.5	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Chromium	0.16	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Copper	0.16	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Iron	3.9	19000	19000	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Potassium	7.8	1200	1200	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Magnesium	7.8	2000	2000	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Manganese	0.39	250	250	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Sodium	7.8	44.0	44.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Nickel	0.078	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Lead	0.078	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Antimony	0.16	0.13	0.13 J	MG/KG	TR

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Selenium	0.39	0.47	0.47	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Thallium	0.078	0.094	0.094	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Vanadium	0.078	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0063M-0001-SO	240-17796-25	N	Zinc	0.39	44.0	44.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Silver	0.092	0.021	0.021 J	MG/KG	TR
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Aluminum	2.8	6600	6600	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Arsenic	0.092	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Barium	0.92	43.0	43.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Beryllium	0.092	0.43	0.43	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Calcium	9.2	3700	3700	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Cadmium	0.092	0.19	0.19	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Cobalt	0.046	8.1	8.1	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Chromium	0.18	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Copper	0.18	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Iron	4.6	22000	22000	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Potassium	9.2	810	810	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Magnesium	9.2	2100	2100	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Manganese	0.46	330	330	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Sodium	9.2	29.0	29.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Nickel	0.092	21.0	21.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Lead	0.092	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Antimony	0.18	0.12	0.12 J	MG/KG	TR
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Selenium	0.46	0.61	0.61	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Thallium	0.092	0.15	0.15	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Vanadium	0.092	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0064M-0001-SO	240-17796-26	N	Zinc	0.46	54.0	54.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Silver	0.074	0.026	0.026 J	MG/KG	TR
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Aluminum	2.2	8000	8000	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Arsenic	0.074	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Barium	0.74	69.0	69.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Beryllium	0.074	0.59	0.59	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Calcium	7.4	7100	7100	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Cadmium	0.074	0.21	0.21	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Cobalt	0.037	7.5	7.5	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Chromium	0.15	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Copper	0.15	21.0	21.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Iron	3.7	19000	19000	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Potassium	7.4	870	870	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Magnesium	7.4	2500	2500	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Manganese	0.37	500	500	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Sodium	7.4	48.0	48.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Nickel	0.074	20.0	20.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Lead	0.074	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Antimony	0.15	0.18	0.18	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Selenium	0.37	0.64	0.64	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Thallium	0.074	0.12	0.12	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Vanadium	0.074	15.0	15.0	MG/KG	
SW6020/NONE	SO	076SB-0065M-0001-SO	240-17796-27	N	Zinc	0.37	50.0	50.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Silver	0.087	0.035	0.035 J	MG/KG	TR
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Aluminum	2.6	8600	8600	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Arsenic	0.087	12.0	12.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Barium	0.87	69.0	69.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Beryllium	0.087	0.61	0.61	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Calcium	8.7	7300	7300	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Cadmium	0.087	0.20	0.20	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Cobalt	0.043	7.8	7.8	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Chromium	0.17	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Copper	0.17	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Iron	4.3	20000	20000	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Potassium	8.7	790	790	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Magnesium	8.7	2700	2700	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Manganese	0.43	560	560	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Sodium	8.7	55.0	55.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Nickel	0.087	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Lead	0.087	26.0	26.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Antimony	0.17	0.11	0.11 J	MG/KG	TR
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Selenium	0.43	0.61	0.61	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Thallium	0.087	0.13	0.13	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Vanadium	0.087	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SB-0066M-0001-SO	240-17796-28	N	Zinc	0.43	55.0	55.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Silver	0.097	0.22	0.22	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Aluminum	2.9	7800	7800	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Arsenic	0.097	9.2	9.2	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Barium	0.97	52.0	52.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Beryllium	0.097	0.41	0.41	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Calcium	9.7	2400	2400	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Cadmium	0.097	0.29	0.29	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Cobalt	0.049	6.1	6.1	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Chromium	0.19	18.0	18.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Copper	0.19	14.0	14.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Iron	4.9	19000	19000	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Potassium	9.7	600	600	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Magnesium	9.7	1600	1600	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Manganese	0.49	290	290	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Sodium	9.7	25.0	25.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Nickel	0.097	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Lead	0.097	20.0	20.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Antimony	0.19	0.12	0.12 J	MG/KG	TR
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Selenium	0.49	0.50	0.50	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Thallium	0.097	0.12	0.12	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Vanadium	0.097	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SS-0007M-0001-SO	240-17796-10	N	Zinc	0.49	52.0	52.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Silver	0.098	0.026	0.026 J	MG/KG	TR
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Aluminum	2.9	8400	8400	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Arsenic	0.098	11.0	11.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Barium	0.98	51.0	51.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Beryllium	0.098	0.51	0.51	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Calcium	9.8	4300	4300	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Cadmium	0.098	0.13	0.13	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Cobalt	0.049	8.2	8.2	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Chromium	0.20	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Copper	0.20	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Iron	4.9	22000	22000	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Potassium	9.8	800	800	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Magnesium	9.8	2200	2200	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Manganese	0.49	400	400	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Sodium	9.8	44.0	44.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Nickel	0.098	17.0	17.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Lead	0.098	13.0	13.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Antimony	0.20	0.10	0.10 J	MG/KG	TR
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Selenium	0.49	0.56	0.56	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Thallium	0.098	0.14	0.14	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Vanadium	0.098	16.0	16.0	MG/KG	
SW6020/NONE	SO	076SS-0022M-0001-SO	240-17796-2	N	Zinc	0.49	40.0	40.0	MG/KG	

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Rejected Results

--No Records Found--

Anomalies Count

--No Records Found--

Reporting Anomalies

--No Records Found--

Worksheet

SDG Name: 240-17796-2

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?			•	Not Required
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?			•	Not Required
Were ICV/CCV results within QAPP acceptance limits?			•	Not Required

AUTOMATED DATA REVIEW SUMMARY for 240-17796-2

Method: SW6020

Review Questions	Yes	No	NA	Comment
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?			•	Not Required
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?			•	Not Required
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Was an Interference Check Standard (ICS) run at the beginning and end of every run?			•	Not Required
Was the ICS recovery within QAPP acceptance limits?			•	Not Required
If a field duplicate was analyzed, were the RPDs within criteria?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Was a serial dilution prepared and analyzed with each batch?			•	Not Required
Was the serial dilution within QAPP acceptance limits?			•	Not Required
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

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WORKSHEET 10

**Automated Data Review Summary for 240-18735-1/-2
Source Water**

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AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Facility: Ravenna Army Ammunition Plant

Event: Fall 2012 SI/RI Sampling

Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Contract Laboratory: TestAmerica, Inc., North Canton, OH

Field Contractor: Environmental Chemical Corporation, Abingdon, MD

Data Review Contractor:

SDG: J18735_SourceWater, Certified - 10/4/2013 by frederickroche

QC Level:

Project Manager:

Data Reviewer:

Data Reviewer Title:

Date of Review Report:

Samples Included in SDG J18735_SourceWater

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E353.2/NONE	2	0
M8015D/NONE	2	0
M8015V/NONE	2	0
SW6020/NONE	2	0
SW7470A/NONE	2	0
SW8081/NONE	2	0
SW8082/NONE	2	0

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
SW8151A/NONE	2	0
SW8260B/NONE	2	0
SW8270C/NONE	2	0
SW8330B/NONE	2	0

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Abingdon, MD; analyses were performed by TestAmerica, Inc., North Canton, OH and were reported under sample delivery group (SDG) J18735_SourceWater. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

Prep Hold Time

Surrogate

Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

Ambient Blank

Blank

Blank - Negative

Calibration Blank

Calibration Blank - Negative

Continuing Calibration Verification

Equipment Blank

Field Blank

Field Duplicate RPD

Initial Calibration Verification

Lab Replicate RPD

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

LCS Recovery

LCS RPD

Material Blank

MS Recovery

MS RPD

Trip Blank

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 0 results (0.00%) out of the 370 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
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AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Reviewed by ,

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Reason and Comment Code Definitions

Reasons	
Code	Definition
A	Serial dilution
A1	Ambient Blank
B	The analyte was found in an associated blank as well as in the sample.
B2	CCB
B3	CCB - Neg
c	LCS - low
C	LCS Recovery
d	Field Duplicate RPD
D	MS RPD
D1	Lab Replicate RPD
D2	No precision available
F	Field Blank
F1	Hydrocarbon pattern does not match standard
G1	Initial Calibration RRF
G2	Initial Calibration RSD
h	Holding time exceeded by less than 2X.
H	Holding time exceeded by more than 2X.
H1	Test Hold Time
H2	Prep Hold Time
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
K	An analyte (non-common laboratory artifact) was detected in the sample at a concentration less than 5X the concentration detected in the associated method blank.
L	Lab Blank
L1	Lab Blank - Neg
m	MS - low
M	MS Recovery
N	Blank - No Action

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Reason and Comment Code Definitions

O	ICS
P	Sample preservation/collection requirement not met.
P1	Column RPD
P2	Improper preparation/extraction
q	Encore sample holding time exceeded by less than 2X.
Q	Encore sample holding time exceeded by more than 2X.
Q1	Material Blank
R	Exceeds LinearCalibration Range
S	Internal standard
T	Trip Blank
TI	Tentatively Identified Compound
TR	Trace Level Detect
U	Receipt Temperature
V	Equipment Blank
V1	ICV
V2	CCV
V3	CCV RRF
V4	Sample Receipt Condition
W	Column breakdown (pesticides)
X	Raised reporting limit
Y	Cooler temperature greater than 10 degreeec C.
y	Cooler temperature greater than 4 degrees C, but less than 10 degreeec C.
Y1	False Positive
Y2	Data rejected due to radiological anomalies
Z	LCS RPD
Z2	Analyte not confirmed on second column
Z3	High percent moisture in sample.

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Flag Code and Definitions	
Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Batch Report

Test Method: E353.2; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
8009	7878	NA	BLDG-1036	WG	070-0056-0001- SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	27-Dec-2012 6:07 AM	27-Dec-2012 1:51 PM	N
	7878	NA	BLDG-1036	WG	070-0057-0001- SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	27-Dec-2012 6:07 AM	27-Dec-2012 1:53 PM	N
Test Method: M8015D; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
68949	68549	NA	BLDG-1036	WG	070-0056-0001- SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	13-Dec-2012 11:26 AM	17-Dec-2012 9:35 PM	N
	68549	NA	BLDG-1036	WG	070-0057-0001- SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	13-Dec-2012 11:26 AM	17-Dec-2012 10:05 PM	N
Test Method: M8015V; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
69738	69738	NA	BLDG-1036	WG	070-0056-0001- SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	22-Dec-2012 4:18 PM	22-Dec-2012 4:18 PM	N
	69738	NA	BLDG-1036	WG	070-0057-0001- SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	22-Dec-2012 4:56 PM	22-Dec-2012 4:56 PM	N
Test Method: SW6020; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
59694	59308	NA	BLDG-1036	WG	070-0056-0001- SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	24-Dec-2012 10:24 AM	29-Dec-2012 4:07 AM	N
	59308	NA	BLDG-1036	WG	070-0057-0001- SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	24-Dec-2012 10:24 AM	29-Dec-2012 4:11 AM	N
Test Method: SW7470A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
70694	70255	NA	BLDG-1036	WG	070-0057-0001- SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	27-Dec-2012 4:00 PM	29-Dec-2012 12:08 PM	N
	70255	NA	BLDG-1036	WG	070-0056-0001- SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	27-Dec-2012 4:00 PM	29-Dec-2012 12:10 PM	N

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Batch Report

Test Method: SW8081; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
69152	68554	NA	BLDG-1036	WG	070-0056-0001-SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	13-Dec-2012 11:40 AM	18-Dec-2012 1:14 PM	N
	68554	NA	BLDG-1036	WG	070-0057-0001-SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	13-Dec-2012 11:40 AM	18-Dec-2012 1:42 PM	N

Test Method: SW8082; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
69119	68553	NA	BLDG-1036	WG	070-0056-0001-SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	13-Dec-2012 11:37 AM	18-Dec-2012 9:11 AM	N
	68553	NA	BLDG-1036	WG	070-0057-0001-SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	13-Dec-2012 11:37 AM	18-Dec-2012 9:26 AM	N

Test Method: SW8151A; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
70037	69372	NA	BLDG-1036	WG	070-0056-0001-SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	19-Dec-2012 9:51 AM	24-Dec-2012 5:40 PM	N
	69372	NA	BLDG-1036	WG	070-0057-0001-SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	19-Dec-2012 9:51 AM	24-Dec-2012 6:03 PM	N

Test Method: SW8260B; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
69591	69591	NA	BLDG-1036	WG	070-0056-0001-SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	20-Dec-2012 2:04 PM	20-Dec-2012 2:04 PM	N
	69591	NA	BLDG-1036	WG	070-0057-0001-SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	20-Dec-2012 2:26 PM	20-Dec-2012 2:26 PM	N

Test Method: SW8270C; Leach Method: NONE												
Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
68962	68547	NA	BLDG-1036	WG	070-0056-0001-SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	13-Dec-2012 11:21 AM	17-Dec-2012 12:28 PM	N
	68547	NA	BLDG-1036	WG	070-0057-0001-SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	13-Dec-2012 11:21 AM	17-Dec-2012 12:51 PM	N

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Batch Report

Test Method: SW8330B; Leach Method: NONE

Analytical Batch	Prep Batch	Leach Batch	Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/Dil'n	Collection Date/Time	Extract Date/Time	Analysis Date/Time	Sample Type
7620	7404	NA	BLDG-1036	WG	070-0056-0001-SOURCE WATER	240-18735-3		1/1	12-Dec-2012 1:00 PM	14-Dec-2012 11:07 AM	21-Dec-2012 3:22 PM	N
	7404	NA	BLDG-1036	WG	070-0057-0001-SOURCE WATER	240-18735-4		1/1	12-Dec-2012 1:15 PM	14-Dec-2012 11:07 AM	21-Dec-2012 4:02 PM	N
7855	7807	NA	BLDG-1036	WG	070-0056-0001-SOURCE WATER	240-18735-3		2/1	12-Dec-2012 1:00 PM	24-Dec-2012 12:40 PM	27-Dec-2012 4:51 AM	N
	7807	NA	BLDG-1036	WG	070-0057-0001-SOURCE WATER	240-18735-4		2/1	12-Dec-2012 1:15 PM	24-Dec-2012 12:40 PM	27-Dec-2012 5:06 AM	N

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Field Batch Report

--No Records Found--

QC Outliers Report

--No Records Found--

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
M8015V/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Petroleum Hydrocarbons C6-C12	100	39.0	39.0 J		UG/L	TR
M8015V/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Petroleum Hydrocarbons C6-C12	100	36.0	36.0 J		UG/L	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Aluminum	30.0	13.0	13.0 J		UG/L	TR
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Arsenic	1.0	0.49	0.49 J		UG/L	TR
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Cobalt	0.50	0.11	0.11 J		UG/L	TR
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Copper	2.0	0.83	0.83 J		UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Barium	10.0	0.13	0.13 J		UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Calcium	100	59.0	59.0 J		UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Copper	2.0	0.60	0.60 J		UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Magnesium	100	29.0	29.0 J		UG/L	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	2-Butanone (MEK)	10.0	1.2	1.2 J		UG/L	TR

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Qualified Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Acetone	10.0	2.1	2.1 J		UG/L	TR
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Toluene	1.0	0.15	0.15 J		UG/L	TR

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Detected Results

Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
M8015V/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Petroleum Hydrocarbons C6-C12	100	39.0	39.0 J	UG/L	TR
M8015V/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Petroleum Hydrocarbons C6-C12	100	36.0	36.0 J	UG/L	TR
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Aluminum	30.0	13.0	13.0 J	UG/L	TR
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Arsenic	1.0	0.49	0.49 J	UG/L	TR
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Barium	10.0	39.0	39.0	UG/L	
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Calcium	100	66000	66000	UG/L	
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Cobalt	0.50	0.11	0.11 J	UG/L	TR
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Copper	2.0	0.83	0.83 J	UG/L	TR
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Iron	50.0	440	440	UG/L	
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Potassium	100	2500	2500	UG/L	
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Magnesium	100	27000	27000	UG/L	
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Manganese	5.0	77.0	77.0	UG/L	
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Sodium	100	35000	35000	UG/L	
SW6020/NONE	WG	070-0056-0001-SOURCE WATER	240-18735-3	N	Zinc	5.0	18.0	18.0	UG/L	
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Barium	10.0	0.13	0.13 J	UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Calcium	100	59.0	59.0 J	UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Copper	2.0	0.60	0.60 J	UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Magnesium	100	29.0	29.0 J	UG/L	TR
SW6020/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Sodium	100	1600	1600	UG/L	
Test Leach	Matrix	FieldSample ID	LabSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Units	Reason
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Acetone	10.0	2.1	2.1 J	UG/L	TR
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Bromodichloromethane	1.0	3.6	3.6	UG/L	
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Toluene	1.0	0.15	0.15 J	UG/L	TR
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Dibromochloromethane	1.0	1.3	1.3	UG/L	
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	2-Butanone (MEK)	10.0	1.2	1.2 J	UG/L	TR
SW8260B/NONE	WG	070-0057-0001-SOURCE WATER	240-18735-4	N	Chloroform	1.0	5.3	5.3	UG/L	

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Rejected Results

--No Records Found--

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Anomalies Count

SDG Name: J18735_SourceWater

Test/Extraction Method/Leach	# of Field Samples Outside of Compliance	# of Analytes Outside of Compliance
M8015D/SW3520C/NONE	2	4
SW6020/TOTAL/NONE	2	2
SW8081/SW3520C/NONE	2	10
SW8082/SW3520C/NONE	2	14
SW8151A/METHOD/NONE	2	22
SW8260B/SW5030B/NONE	2	2
SW8330B/METHOD/NONE	2	6

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Reporting Anomalies

SDG Name: J18735_SourceWater

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
M8015D/NONE	070-0056-0001-SOURCE WATER	N	1	C10-C20 Diesel Range Organics	480 U	230	480	0.5	UG/L
M8015D/NONE	070-0056-0001-SOURCE WATER	N	1	C20-C34 Motor Oil Range Organics	480 U	230	480	0.5	UG/L
M8015D/NONE	070-0057-0001-SOURCE WATER	N	1	C10-C20 Diesel Range Organics	480 U	230	480	0.5	UG/L
M8015D/NONE	070-0057-0001-SOURCE WATER	N	1	C20-C34 Motor Oil Range Organics	480 U	230	480	0.5	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW6020/NONE	070-0056-0001-SOURCE WATER	N	1	Cadmium	1 U	0.13	1	0.5	UG/L
SW6020/NONE	070-0057-0001-SOURCE WATER	N	1	Cadmium	1 U	0.13	1	0.5	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	070-0056-0001-SOURCE WATER	N	1	Aldrin	0.048 U	0.0078	0.048	0.03	UG/L
SW8081/NONE	070-0056-0001-SOURCE WATER	N	1	alpha-BHC (alpha-Hexachlorocyclohexane)	0.048 U	0.0067	0.048	0.03	UG/L
SW8081/NONE	070-0056-0001-SOURCE WATER	N	1	Dieldrin	0.048 U	0.0071	0.048	0.03	UG/L
SW8081/NONE	070-0056-0001-SOURCE WATER	N	1	Heptachlor	0.048 U	0.0076	0.048	0.03	UG/L
SW8081/NONE	070-0056-0001-SOURCE WATER	N	1	Heptachlor Epoxide	0.048 U	0.0068	0.048	0.03	UG/L
SW8081/NONE	070-0057-0001-SOURCE WATER	N	1	Aldrin	0.048 U	0.0078	0.048	0.03	UG/L
SW8081/NONE	070-0057-0001-SOURCE WATER	N	1	alpha-BHC (alpha-Hexachlorocyclohexane)	0.048 U	0.0067	0.048	0.03	UG/L
SW8081/NONE	070-0057-0001-SOURCE WATER	N	1	Dieldrin	0.048 U	0.0071	0.048	0.03	UG/L
SW8081/NONE	070-0057-0001-SOURCE WATER	N	1	Heptachlor	0.048 U	0.0076	0.048	0.03	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Reporting Anomalies

SDG Name: J18735_SourceWater

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8081/NONE	070-0057-0001-SOURCE WATER	N	1	Heptachlor Epoxide	0.048 U	0.0068	0.048	0.03	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8082/NONE	070-0056-0001-SOURCE WATER	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	070-0056-0001-SOURCE WATER	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	070-0056-0001-SOURCE WATER	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	070-0056-0001-SOURCE WATER	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	070-0056-0001-SOURCE WATER	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	070-0056-0001-SOURCE WATER	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	070-0056-0001-SOURCE WATER	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	070-0057-0001-SOURCE WATER	N	1	PCB-1016 (Arochlor 1016)	0.48 U	0.16	0.48	0.2	UG/L
SW8082/NONE	070-0057-0001-SOURCE WATER	N	1	PCB-1221 (Arochlor 1221)	0.48 U	0.12	0.48	0.2	UG/L
SW8082/NONE	070-0057-0001-SOURCE WATER	N	1	PCB-1232 (Arochlor 1232)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	070-0057-0001-SOURCE WATER	N	1	PCB-1242 (Arochlor 1242)	0.48 U	0.21	0.48	0.2	UG/L
SW8082/NONE	070-0057-0001-SOURCE WATER	N	1	PCB-1248 (Arochlor 1248)	0.48 U	0.095	0.48	0.2	UG/L
SW8082/NONE	070-0057-0001-SOURCE WATER	N	1	PCB-1254 (Arochlor 1254)	0.48 U	0.15	0.48	0.2	UG/L
SW8082/NONE	070-0057-0001-SOURCE WATER	N	1	PCB-1260 (Arochlor 1260)	0.48 U	0.16	0.48	0.2	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	2,4 DB	4 U	0.69	4	0	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Reporting Anomalies

SDG Name: J18735_SourceWater

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	2,4,5-T (Trichlorophenoxyacetic Acid)	1 U	0.3	1	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	2,4-D (Dichlorophenoxyacetic Acid)	4 U	0.41	4	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	Dalapon	2 U	0.17	2	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	Dicamba	2 U	0.52	2	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	Dichloroprop	4 U	0.86	4	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	Dinoseb	0.6 U	0.087	0.6	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	MCPA	400 U	390	400	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	MCPP	400 U	400	400	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	Pentachlorophenol	0.1 U	0.024	0.1	0	UG/L
SW8151A/NONE	070-0056-0001-SOURCE WATER	N	1	Silvex (2,4,5-TP)	1 U	0.2	1	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	2,4 DB	4 U	0.69	4	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	2,4,5-T (Trichlorophenoxyacetic Acid)	1 U	0.3	1	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	2,4-D (Dichlorophenoxyacetic Acid)	4 U	0.41	4	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	Dalapon	2 U	0.17	2	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	Dicamba	2 U	0.52	2	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	Dichloroprop	4 U	0.86	4	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	Dinoseb	0.6 U	0.087	0.6	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	MCPA	400 U	390	400	0	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Reporting Anomalies

SDG Name: J18735_SourceWater

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	MCPP	400 U	400	400	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	Pentachlorophenol	0.1 U	0.024	0.1	0	UG/L
SW8151A/NONE	070-0057-0001-SOURCE WATER	N	1	Silvex (2,4,5-TP)	1 U	0.2	1	0	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8260B/NONE	070-0056-0001-SOURCE WATER	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L
SW8260B/NONE	070-0057-0001-SOURCE WATER	N	1	1,2-Dichloroethene	2 U	0.34	2	1	UG/L

Test Leach	FieldSample ID	Type	Dilution	Analyte	Result	DL	RL	Project RL	Units
SW8330B/NONE	070-0056-0001-SOURCE WATER	N	1	2-Nitrotoluene	0.5 U	0.088	0.5	0.2	UG/L
SW8330B/NONE	070-0056-0001-SOURCE WATER	N	1	3-Nitrotoluene	0.5 U	0.057	0.5	0.2	UG/L
SW8330B/NONE	070-0056-0001-SOURCE WATER	N	1	4-Nitrotoluene	0.5 U	0.088	0.5	0.2	UG/L
SW8330B/NONE	070-0057-0001-SOURCE WATER	N	1	2-Nitrotoluene	0.49 U	0.087	0.49	0.2	UG/L
SW8330B/NONE	070-0057-0001-SOURCE WATER	N	1	3-Nitrotoluene	0.49 U	0.056	0.49	0.2	UG/L
SW8330B/NONE	070-0057-0001-SOURCE WATER	N	1	4-Nitrotoluene	0.49 U	0.087	0.49	0.2	UG/L

Reporting Anomalies are cases where the reported RL exceeds that specified in the governing project document.

AUTOMATED DATA REVIEW SUMMARY for J18735_SourceWater

Worksheet

SDG Name: J18735_SourceWater

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WORKSHEET 11

Automated Data Review Summary for 240-49236-1

Equipment Rinsate Blank/Source Water

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Facility: Ravenna Army Ammunition Plant
 Event: Spring 2015
 Guidance Document: Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
 Contract Laboratory: TestAmerica Laboratories, Inc., North Canton, OH
 Field Contractor: Environmental Chemical Corporation, Marlborough, MA
 Data Review Contractor: ECC
 SDG: 240-49236-1_Erp_Synectics_ChemLab_Mmr, Certified - 5/18/2015 by frederickcroche
 QC Level: ADR
 Project Manager: Pam Foti
 Data Reviewer: Jackson Kiker
 Data Reviewer Title: Senior Chemist
 Date of Review Report:
 Second Reviewer:
 Completion Date of Second Reviewer:

Analytical Method/ Leach Method	Normal Water Samples	Field QC Water Samples
E353.2/NONE	1	
SW6020/NONE	2	
SW7470A/NONE	2	
SW8081/NONE	1	
SW8082/NONE	1	
SW8260B/NONE	3	
SW8270C/NONE	1	
SW8330B/NONE	1	

This report assesses the analytical data quality associated with the analyses listed on the preceding cover page. This assessment has been made through a combination of automated data review (ADR) and supplemental manual review, the details of which are described below. The approach taken in the review of this data set is consistent with the requirements contained in the Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012 to the extent possible. Where definitive guidance is not provided, data has been evaluated in a conservative manner using professional judgment. In cases where two qualifiers are listed as an action, such as 'J/UJ', the first qualifier applies to positive results, and the second to non-detect results.

Samples were collected by Environmental Chemical Corporation, Marlborough, MA; analyses were performed by TestAmerica Laboratories, Inc., North Canton, OH and were reported under sample delivery group (SDG) 240-49236-1_Erp_Synectics_ChemLab_Mmr. Results have been evaluated electronically using electronic data deliverables (EDDs) provided by the laboratory. The laboratory data summary forms (hard copy) have been reviewed during this effort and compared to the automated review output. Findings based on the automated data submission and manual data verification processes are detailed in the ADR narrative.

The following quality control elements were supported by the electronic deliverable and were evaluated during this review effort:

- Surrogate
- Prep Hold Time
- Blank
- LCS Recovery
- Blank - Negative
- Test Hold Time

The following quality control elements were either not applicable to the deliverable, or were not supported by the electronic deliverable, and were therefore not included in the automated data review. Those elements required for the project were reviewed manually, as narrated in the Comment section below.

- Calibration Blank - Negative
- LCS RPD
- Trip Blank
- Continuing Calibration Verification
- Ambient Blank
- Material Blank
- Calibration Blank
- Field Duplicate RPD
- Initial Calibration Verification
- Field Blank
- MS RPD
- Equipment Blank
- MS Recovery
- Lab Replicate RPD

A representative sampling or ten percent of sample and QC results were manually evaluated for compliance with project specific requirements and consistency with hard copy results. The following summaries were generated during the evaluation of this data set and are included in this report as applicable.

Batch – The analytical batch report is reviewed for completeness and compliance with project specific requirements. Incomplete or non-compliant run sequences are identified and their impact on data quality are discussed in the narrative.

QC Outlier – Results exceeding the evaluation criteria are reviewed for compliance with project requirements and a minimum of ten percent of the non-compliant QC values reported electronically are verified for consistency with hard-copy values.

Qualified Results – Qualified results are evaluated for compliance with project requirements and ten percent of qualified results are verified for consistency with the QC Outliers.

Rejected Results – All rejected results are evaluated for compliance with project requirements. The reason for rejection of the data is verified against hard copy data.

Field Duplicates – Field duplicate comparison results are evaluated for compliance with project requirements and ten percent of values reported are verified for consistency with the hard-copy data.

Data Submission Warnings – Warnings encountered during the data submission process are evaluated and their affect on data quality is discussed in the narrative below.

Analytical deficiencies, project non-compliance issues and inconsistencies with hard copy results observed during ADR evaluation process and their impact on data quality are summarized in the narrative below.

A total of 40 results (15.04%) out of the 266 results (sample and field QC samples) reported are qualified based on review and 0 results (0.00%) have been rejected. Trace values are not counted as qualified results in the above count. The qualified results are detailed in the following tables and discussed in the narrative below, where appropriate.

Narrative Comments

Analytical Method	Comment
E353.2	
SW6020	
SW7470A	
SW8081	
SW8082	
SW8260B	
SW8270C	
SW8330B	

Reviewed by Jackson Kiker, Senior Chemist

Qualified Results

Test Method: SW6020		Extraction Method: TOTAL		Leach Method: NONE		Matrix: WG		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	N	Antimony	2.0	0.43 J	2.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Arsenic	5.0	0.93 J	5.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Beryllium	1.0	0.27 J	1.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Cadmium	2.0	0.38 J	2.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Chromium	6.0	1.3 J	6.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Cobalt	1.0	0.28 J	1.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Copper	4.0	1.1 J	4.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Iron	150	30.0 J	150 U	+	UG/L	L
079SB-0385-0001-SW	N	Lead	1.0	0.18 J	1.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Selenium	5.0	0.62 J	5.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Thallium	2.0	0.22 J	2.0 U	+	UG/L	L
079SB-0385-0001-SW	N	Vanadium	5.0	0.35 J	5.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Aluminum	60.0	53.0 J	53.0 J		UG/L	TR
079SB-0386-0001-RB	N	Antimony	2.0	0.66 J	2.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Arsenic	5.0	0.38 J	5.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Beryllium	1.0	0.16 J	1.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Cadmium	2.0	0.079 J	2.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Chromium	6.0	2.0 J	6.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Cobalt	1.0	0.13 J	1.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Iron	150	57.0 J	150 U	+	UG/L	L
079SB-0386-0001-RB	N	Manganese	10.0	5.8 J	5.8 J		UG/L	TR
079SB-0386-0001-RB	N	Nickel	5.0	2.8 J	5.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Sodium	1000	840 J	840 J		UG/L	TR
079SB-0386-0001-RB	N	Thallium	2.0	0.11 J	2.0 U	+	UG/L	L
079SB-0386-0001-RB	N	Vanadium	5.0	0.26 J	5.0 U	+	UG/L	L

Test Method: SW8081		Extraction Method: SW3520C		Leach Method: NONE		Matrix: WG		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	N	beta-Endosulfan	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	N	delta-BHC (delta-Hexachlorocyclohexane)	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	N	Endrin	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	N	Heptachlor	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	N	Methoxychlor	0.096	0.096 U	0.096 UJ		UG/L	V2

Test Method: SW8082		Extraction Method: SW3520C		Leach Method: NONE		Matrix: WG		
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	N	PCB-1016 (Arochlor 1016)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I
079SB-0385-0001-SW	N	PCB-1221 (Arochlor 1221)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I

Qualified Results

Test Method: SW8082		Extraction Method: SW3520C		Leach Method: NONE		Matrix: WG			
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
079SB-0385-0001-SW	N	PCB-1232 (Arochlor 1232)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I	
079SB-0385-0001-SW	N	PCB-1242 (Arochlor 1242)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I	
079SB-0385-0001-SW	N	PCB-1248 (Arochlor 1248)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I	
079SB-0385-0001-SW	N	PCB-1254 (Arochlor 1254)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I	
079SB-0385-0001-SW	N	PCB-1260 (Arochlor 1260)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I	

Test Method: SW8260B		Extraction Method: SW5030B		Leach Method: NONE		Matrix: WG			
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
069SB-0387-0001-RB	N	Acetone	10.0	1.1 J	10.0 U		UG/L	T	
079SB-0385-0001-SW	N	Acetone	10.0	1.9 J	10.0 U		UG/L	T	
079SB-0388-0001-TB	N	Acetone	10.0	6.5 J	6.5 J		UG/L	TR	

Test Method: SW8270C		Extraction Method: SW3510		Leach Method: NONE		Matrix: WG			
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
079SB-0385-0001-SW	N	2,4-Dinitrophenol	4.8	4.8 U	4.8 UJ		UG/L	J	
079SB-0385-0001-SW	N	4,6-Dinitro-2-methylphenol	4.8	4.8 U	4.8 UJ		UG/L	J	
079SB-0385-0001-SW	N	Hexachlorocyclopentadiene	9.6	9.6 U	9.6 UJ	-	UG/L	C/J	

Test Method: SW8330B		Extraction Method: METHOD		Leach Method: NONE		Matrix: WG			
FieldSample ID	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason	
079SB-0385-0001-SW	N	Nitroguanidine	20.0	20.0 U	20.0 UJ	-	UG/L	C	

Reason Code Definitions

Code	Definition
C	LCS Recovery
I	Surrogate recovery outside project limits.
J	CRA/CRI Recovery
L	Lab Blank
T	Trip Blank
TR	Trace Level Detect
V2	CCV

Flag Code and Definitions

Flag	Definition
U	Undetected: The analyte was analyzed for, but not detected.
UJ	The analyte was not detected; however, the result is estimated due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified, the quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
R	The data are rejected due to deficiencies in meeting QC criteria and may not be used for decision making.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

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Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Batch Report

Test Method: E353.2 Analysis Batch: 71741

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB320711471B		1/1	4/21/2015 06:08	4/21/2015 06:08	4/21/2015 14:49	71630/	LB
LABQC	WQ	LABQC	LCS320711472B		1/1	4/21/2015 06:08	4/21/2015 06:08	4/21/2015 14:51	71630/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/21/2015 06:08	4/21/2015 14:53	71630/	N

Test Method: SW6020 Analysis Batch: 176490

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB2401761571A		1/1	4/13/2015 10:08	4/13/2015 10:08	4/14/2015 11:09	176157/	LB
LABQC	WQ	LABQC	LCS2401761572A		1/1	4/13/2015 10:08	4/13/2015 10:08	4/14/2015 11:13	176157/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/13/2015 10:08	4/14/2015 11:16	176157/	N
79-LL3-SB102	WG	079SB-0386-0001-RB	240-49236-4		1/1	4/10/2015 08:50	4/13/2015 10:08	4/14/2015 11:43	176157/	N

Test Method: SW6020 Analysis Batch: 176660

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB2401761571A		2/1	4/13/2015 10:08	4/13/2015 10:08	4/15/2015 12:59	176157/	LB
LABQC	WQ	LABQC	LCS2401761572A		2/1	4/13/2015 10:08	4/13/2015 10:08	4/15/2015 13:03	176157/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		2/1	4/10/2015 08:45	4/13/2015 10:08	4/15/2015 13:07	176157/	N
79-LL3-SB102	WG	079SB-0386-0001-RB	240-49236-4		2/1	4/10/2015 08:50	4/13/2015 10:08	4/15/2015 13:31	176157/	N
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		3/5	4/10/2015 08:45	4/13/2015 10:08	4/15/2015 13:43	176157/	N

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Ravenna Army Ammunition Plant

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Batch Report

Test Method: SW6020 Analysis Batch: 177115

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB2401761571A		3/1	4/13/2015 10:08	4/13/2015 10:08	4/20/2015 17:25	176157/	LB
LABQC	WQ	LABQC	LCS2401761572A		3/1	4/13/2015 10:08	4/13/2015 10:08	4/20/2015 17:29	176157/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		4/1	4/10/2015 08:45	4/13/2015 10:08	4/20/2015 17:32	176157/	N
79-LL3-SB102	WG	079SB-0386-0001-RB	240-49236-4		3/1	4/10/2015 08:50	4/13/2015 10:08	4/20/2015 17:51	176157/	N

Test Method: SW7470A Analysis Batch: 176385

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB2401761621A		1/1	4/13/2015 14:00	4/13/2015 14:00	4/14/2015 10:54	176162/	LB
LABQC	WQ	LABQC	LCS2401761622A		1/1	4/13/2015 14:00	4/13/2015 14:00	4/14/2015 10:55	176162/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/13/2015 14:00	4/14/2015 11:15	176162/	N
79-LL3-SB102	WG	079SB-0386-0001-RB	240-49236-4		1/1	4/10/2015 08:50	4/13/2015 14:00	4/14/2015 11:16	176162/	N

Test Method: SW8081 Analysis Batch: 176694

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB2401765092A		1/1	4/15/2015 09:05	4/15/2015 09:05	4/16/2015 19:56	176509/	LB
LABQC	WQ	LABQC	LCS2401765093A		1/1	4/15/2015 09:05	4/15/2015 09:05	4/16/2015 20:19	176509/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/15/2015 09:05	4/16/2015 20:43	176509/	N

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Ravenna Army Ammunition Plant

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Batch Report

Test Method: SW8082 Analysis Batch: 176376

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/13/2015 06:11	4/14/2015 14:05	176083/	N
LABQC	WQ	LABQC	MB2401760833A		1/1	4/13/2015 06:11	4/13/2015 06:11	4/14/2015 14:21	176083/	LB
LABQC	WQ	LABQC	LCS2401760834A		1/1	4/13/2015 06:11	4/13/2015 06:11	4/14/2015 14:36	176083/	BS

Test Method: SW8260B Analysis Batch: 176298

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	LCS2401762984		1/1	4/14/2015 08:52	4/14/2015 08:52	4/14/2015 08:52	176298/	BS
LABQC	WQ	LABQC	MB2401762986		1/1	4/14/2015 09:38	4/14/2015 09:38	4/14/2015 09:38	176298/	LB
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/14/2015 12:04	4/14/2015 12:04	176298/	N
69-1048-SB109	WG	069SB-0387-0001-RB	240-49236-5		1/1	4/10/2015 09:00	4/14/2015 12:27	4/14/2015 12:27	176298/	N
79-LL3-SB103	WG	079SB-0388-0001-TB	240-49236-6		1/1	4/10/2015 07:30	4/14/2015 12:50	4/14/2015 12:50	176298/	N

Test Method: SW8270C Analysis Batch: 177779

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB2401760862A		1/1	4/13/2015 06:18	4/13/2015 06:18	4/24/2015 09:23	176086/	LB
LABQC	WQ	LABQC	LCS2401760863A		1/1	4/13/2015 06:18	4/13/2015 06:18	4/24/2015 09:48	176086/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/13/2015 06:18	4/24/2015 11:53	176086/	N

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Ravenna Army Ammunition Plant

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Batch Report

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB320709621A		1/1	4/13/2015 09:25	4/13/2015 09:25	4/15/2015 17:15	70962/	LB
LABQC	WQ	LABQC	LCS320709622A		1/1	4/13/2015 09:25	4/13/2015 09:25	4/15/2015 17:59	70962/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		1/1	4/10/2015 08:45	4/13/2015 09:25	4/15/2015 20:09	70962/	N

Location	Matrix	Field Sample ID	Lab Sample ID	Calibration Ref	Run#/ Dil'n	Collection Date/Time	Extraction Date/Time	Analysis Date/Time	Prep/Leach Batch	Sample Type
LABQC	WQ	LABQC	MB320710391A		1/1	4/13/2015 19:24	4/13/2015 19:24	4/20/2015 16:30	71039/	LB
LABQC	WQ	LABQC	LCS320710392A		1/1	4/13/2015 19:24	4/13/2015 19:24	4/20/2015 16:48	71039/	BS
79-LL3-SB101	WG	079SB-0385-0001-SW	240-49236-3		2/1	4/10/2015 08:45	4/13/2015 19:24	4/20/2015 17:05	71039/	N

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Ravenna Army Ammunition Plant

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Field Batch Report

--No Records Found--

Automated Data Review Detail Report for 240-49236-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

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QC Outlier Report

QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Lead	0.367 (UG/L)	U/None	< 0.11	< 1	L		10	3.67
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Nickel	0.413 (UG/L)	U/None	< 0.23	< 5	L		10	4.13
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Cobalt	0.484 (UG/L)	U/None	< 0.021	< 1	L		10	4.84
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Vanadium	0.515 (UG/L)	U/None	< 0.23	< 5	L		10	5.15
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Thallium	0.530 (UG/L)	U/None	< 0.074	< 2	L		10	5.30
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Antimony	0.589 (UG/L)	U/None	< 0.16	< 2	L		10	5.89
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Cadmium	0.592 (UG/L)	U/None	< 0.061	< 2	L		10	5.92
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Arsenic	0.744 (UG/L)	U/None	< 0.18	< 5	L		10	7.44
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Selenium	1.12 (UG/L)	U/None	< 0.25	< 5	L		10	11.2
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Copper	1.17 (UG/L)	U/None	< 0.75	< 4	L		10	11.7
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Chromium	1.20 (UG/L)	U/None	< 0.2	< 6	L		10	12.0
Blank	MB2401761571A (LB) / MB2401761571A	1 / 1.00	Iron	19.9 (UG/L)	U/None	< 16	< 150	L		10	199
Blank	MB2401761571A (LB) / MB2401761571A	3 / 1.00	Beryllium	0.405 (UG/L)	U/None	< 0.053	< 1	L		10	4.05

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Ravenna Army Ammunition Plant

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QC Outlier Report

Test Method: SW8082 Extraction Method: SW3520C Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
Surrogate	079SB-0385-0001-SW (N) / 240-49236-3	1 / 1.00	Decachlorobiphenyl	23.2 (Percent)	J/UJ	40 - 135	10 - 135	I			

Test Method: SW8270C Extraction Method: SW3510 Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
LCS Recovery	LCS2401760863A (BS) / LCS2401760863A	1 / 1.00	Hexachlorocyclopentadiene	4.20 (Percent)	J/R	70 - 130	70 - 130	C			

Test Method: SW8330B Extraction Method: METHOD Leach Method: NONE											
QC Element	Sample ID/ Lab Sample ID	Run#/ Dil'n	Analyte	Result (Units)	Qualifier	Warning Limits	Control Limits	Reason	Comment	Rule	Action Level
LCS Recovery	LCS320710392A (BS) / LCS320710392A	1 / 1.00	Nitroguanidine	78.0 (Percent)	J/UJ	80 - 120	20 - 120	C			

Rule is the multiplier used when blank contamination occurs to determine action level.

Automated Data Review Detail Report for 240-49236-1_Erp_Synectics_ChemLab_Mmr

Ravenna Army Ammunition Plant

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Qualified Results

Test Method: SW6020		Extraction Method: TOTAL		Leach Method: NONE						
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	240-49236-3	WG	N	Antimony	2.0	0.43 J	2.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Arsenic	5.0	0.93 J	5.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Beryllium	1.0	0.27 J	1.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Cadmium	2.0	0.38 J	2.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Chromium	6.0	1.3 J	6.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Cobalt	1.0	0.28 J	1.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Copper	4.0	1.1 J	4.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Iron	150	30.0 J	150 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Lead	1.0	0.18 J	1.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Selenium	5.0	0.62 J	5.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Thallium	2.0	0.22 J	2.0 U	+	UG/L	L
079SB-0385-0001-SW	240-49236-3	WG	N	Vanadium	5.0	0.35 J	5.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Aluminum	60.0	53.0 J	53.0 J		UG/L	TR
079SB-0386-0001-RB	240-49236-4	WG	N	Antimony	2.0	0.66 J	2.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Arsenic	5.0	0.38 J	5.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Beryllium	1.0	0.16 J	1.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Cadmium	2.0	0.079 J	2.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Chromium	6.0	2.0 J	6.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Cobalt	1.0	0.13 J	1.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Iron	150	57.0 J	150 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Manganese	10.0	5.8 J	5.8 J		UG/L	TR
079SB-0386-0001-RB	240-49236-4	WG	N	Nickel	5.0	2.8 J	5.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Sodium	1000	840 J	840 J		UG/L	TR
079SB-0386-0001-RB	240-49236-4	WG	N	Thallium	2.0	0.11 J	2.0 U	+	UG/L	L
079SB-0386-0001-RB	240-49236-4	WG	N	Vanadium	5.0	0.26 J	5.0 U	+	UG/L	L

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Qualified Results

Test Method: SW8081			Extraction Method: SW3520C			Leach Method: NONE				
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	240-49236-3	WG	N	beta-Endosulfan	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	240-49236-3	WG	N	delta-BHC (delta-Hexachlorocyclohexane)	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	240-49236-3	WG	N	Endrin	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	240-49236-3	WG	N	Heptachlor	0.048	0.048 U	0.048 UJ		UG/L	V2
079SB-0385-0001-SW	240-49236-3	WG	N	Methoxychlor	0.096	0.096 U	0.096 UJ		UG/L	V2

Test Method: SW8082			Extraction Method: SW3520C			Leach Method: NONE				
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	240-49236-3	WG	N	PCB-1016 (Arochlor 1016)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I
079SB-0385-0001-SW	240-49236-3	WG	N	PCB-1221 (Arochlor 1221)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I
079SB-0385-0001-SW	240-49236-3	WG	N	PCB-1232 (Arochlor 1232)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I
079SB-0385-0001-SW	240-49236-3	WG	N	PCB-1242 (Arochlor 1242)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I
079SB-0385-0001-SW	240-49236-3	WG	N	PCB-1248 (Arochlor 1248)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I
079SB-0385-0001-SW	240-49236-3	WG	N	PCB-1254 (Arochlor 1254)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I
079SB-0385-0001-SW	240-49236-3	WG	N	PCB-1260 (Arochlor 1260)	0.48	0.48 U Q	0.48 UJ	-	UG/L	I

Test Method: SW8260B			Extraction Method: SW5030B			Leach Method: NONE				
FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
069SB-0387-0001-RB	240-49236-5	WG	N	Acetone	10.0	1.1 J	10.0 U		UG/L	T
079SB-0385-0001-SW	240-49236-3	WG	N	Acetone	10.0	1.9 J	10.0 U		UG/L	T
079SB-0388-0001-TB	240-49236-6	WG	N	Acetone	10.0	6.5 J	6.5 J		UG/L	TR

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Ravenna Army Ammunition Plant

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Qualified Results

FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	240-49236-3	WG	N	2,4-Dinitrophenol	4.8	4.8 U	4.8 UJ		UG/L	J
079SB-0385-0001-SW	240-49236-3	WG	N	4,6-Dinitro-2-methylphenol	4.8	4.8 U	4.8 UJ		UG/L	J
079SB-0385-0001-SW	240-49236-3	WG	N	Hexachlorocyclopentadiene	9.6	9.6 U	9.6 UJ	-	UG/L	C/J

FieldSample ID	LabSample ID	Matrix	Type	Analyte	RL	Lab Result	Qualified Result	Bias	Units	Reason
079SB-0385-0001-SW	240-49236-3	WG	N	Nitroguanidine	20.0	20.0 U	20.0 UJ	-	UG/L	C

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Ravenna Army Ammunition Plant

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Detected Results

Test Method: SW6020	Extraction Method: TOTAL		Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
079SB-0385-0001-SW	240-49236-3	WG	N	1	Barium	5.0	18.0	18.0	UG/L	
079SB-0385-0001-SW	240-49236-3	WG	N	1	Calcium	2000	18000	18000	UG/L	
079SB-0385-0001-SW	240-49236-3	WG	N	5	Magnesium	5000	31000 D	31000	UG/L	
079SB-0385-0001-SW	240-49236-3	WG	N	1	Potassium	1000	2700	2700	UG/L	
079SB-0385-0001-SW	240-49236-3	WG	N	1	Sodium	1000	43000	43000	UG/L	
079SB-0386-0001-RB	240-49236-4	WG	N	1	Aluminum	60.0	53.0 J	53.0 J	UG/L	TR
079SB-0386-0001-RB	240-49236-4	WG	N	1	Manganese	10.0	5.8 J	5.8 J	UG/L	TR
079SB-0386-0001-RB	240-49236-4	WG	N	1	Sodium	1000	840 J	840 J	UG/L	TR

Test Method: SW8260B	Extraction Method: SW5030B		Leach Method: NONE							
FieldSample ID	LabSample ID	Matrix	Type	Dilution	Analyte	RL	Lab Result	Qualified Result	Units	Reason
079SB-0388-0001-TB	240-49236-6	WG	N	1	Acetone	10.0	6.5 J	6.5 J	UG/L	TR
079SB-0388-0001-TB	240-49236-6	WG	N	1	Methylene chloride	1.0	3.3	3.3	UG/L	

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Ravenna Army Ammunition Plant

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Rejected Results

--No Records Found--

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Ravenna Army Ammunition Plant

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Anomalies Count

Test/Extraction Method/Leach	Field Samples Outside of Compliance	Analytes Outside of Compliance
SW6020/TOTAL/NONE	2	20
SW8081/SW3520C/NONE	1	5
SW8082/SW3520C/NONE	1	7
SW8260B/SW5030B/NONE	3	3
SW8330B/METHOD/NONE	1	6

Anomalies are cases where the reported RL exceeds that specified in the governing project document.

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Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: E353.2

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	•			
Were samples preserved properly and received in good condition?	•			
Were holding times met?	•			
Were sample receipt temperatures met?	•			
Were QAPP specified RLs achieved?	•			
Were all QAPP specified target analytes reported?	•			
Was the initial calibration curve within QAPP acceptance limits?	•			
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?	•			
Were ICV/CCV results within QAPP acceptance limits?	•			
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the ICB/CCB/method blank?		•		
Was a field blank collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was a LCS prepared and analyzed with each batch?	•			
Were the LCS recoveries within QAPP acceptance limits?	•			
Were the MRL recoveries within 70-130% limits?	•			
Was a duplicate sample prepared and analyzed with each batch?			•	
Was the duplicate RPD within QAPP acceptance limits?			•	
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?	•			
Were the MS/MSD recoveries and RPDs within QAPP acceptance limits?	•			
Were sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Are all samples associated with QC non-compliances flagged appropriately?			•	
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?			•	

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW6020

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?				•
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?				•
Were ICV/CCV results within QAPP acceptance limits?				•
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?				•
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?				•
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
Was an Interference Check Standard (ICS) run at the beginning and end of every run?				•
Was the ICS recovery within QAPP acceptance limits?				•
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Were the MRL recoveries within 70-130% limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Was a post digestion spike needed and if so was it within QAPP acceptance limits?				•
Was a serial dilution prepared and analyzed with each batch?				•
Was the serial dilution within QAPP acceptance limits?				•
Were sample concentrations within calibration range?				

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Review Questions

Method: SW6020

Review Questions

Yes

No

NA

Comment

Have all Laboratory Case Narrative comments/findings been addressed in the data review process?

Are all samples associated with QC non-compliances flagged appropriately?

Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?

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Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW7470A

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?				
Were samples preserved properly and received in good condition?				
Were holding times met?				
Were sample receipt temperatures met?				
Were QAPP specified RLs achieved?				
Were all QAPP specified target analytes reported?				
Was the initial calibration curve within QAPP acceptance limits?				•
Were the ICV/CCVs analyzed (frequency) as required in the QAPP?				•
Were ICV/CCV results within QAPP acceptance limits?				•
Were the ICB/CCBs analyzed (frequency) as required in the QAPP?				•
Was a method blank prepared and analyzed with each batch?				
Were target analytes detected in the ICB/CCB/method blank?				•
Was a field blank collected and analyzed?				
Were target analytes reported in the field blank analyses above the MDL?				
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?				
Was a LCS prepared and analyzed with each batch?				
Were the LCS recoveries within QAPP acceptance limits?				
Were the MRL recoveries within 70-130% limits?				
Was a MS/MSD pair prepared with each batch?				
Is the MS/MSD parent sample the one designated by the sampling team?				
Were the MS/MSD within QAPP acceptance limits?				
Were sample concentrations within calibration range?				
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?				
Are all samples associated with QC non-compliances flagged appropriately?				
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?				

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8081

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) ?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =15%)?	•			
Was a CCV(s) run at the proper frequency?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =15%)?		•		CCV outside of MPC for heptachlor, endrin, endosulfan II and methoxychlor. Samples qualified on basis of primary column
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			On primary column surrogate %R acceptable. All results were ND reported from primary column.
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			
Were the MRL recoveries within 70-130% limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?	•			
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8081

Review Questions	Yes	No	NA	Comment
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	.			
Were sample preparation sheets present and filled out appropriately?			.	
Were instrument run logs present and filled out appropriately?			.	

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8082

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) ?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =15%)?	•			
Was a CCV(s) run at the proper frequency?	•			
Was the CCV a mid-level standard from the initial calibration curve?	•			
Was the CCV %D within criteria (%D =15%)?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?		•		diluted out
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			
Were the MRL recoveries within 70-130% limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Were the Breakdown products within QAPP acceptance limits?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?	•			All NDs
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8082

Review Questions	Yes	No	NA	Comment
For non-aqueous sample, did the sample have a Percent Moisture less than 70.0%?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were sample preparation sheets present and filled out appropriately?			•	
Were instrument run logs present and filled out appropriately?			•	

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	.			
Were samples preserved properly and received in good condition?	.			
Were holding times met?	.			
Were sample receipt temperatures met?	.			
Were QAPP specified PQLs achieved?	.			
Were all QAPP-specified target analytes reported?	.			
Was the GC/MS system properly tuned based on method criteria?	.			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	.			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	.			A3UX16
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	.			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	.			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	.			
If a linear regression curve was used, was the correlation coefficient within criteria?	.			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	.			
Was a CCV(s) run at the proper frequency?	.			
Was the CCV a mid-level standard from the initial calibration curve?	.			
Did the CCCs have a %Difference within QAPP acceptance limits?	.			
Were the average RFs for the SPCCs within QAPP acceptance limits?	.			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	.			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	.			
Were the retention times for all IS compounds within QAPP acceptance limits?	.			
Are the area counts of all IS compounds within QAPP acceptance limits?	.			
Was a method blank prepared and analyzed with each batch?	.			
Were target analytes detected in the method blank above the MDL?		.		

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8260B

Review Questions	Yes	No	NA	Comment
Was a field blank (equipment or trip) collected and analyzed at the required frequency?	•			
Were target analytes reported in the field blank analyses above the MDL?	•			Acetone 6.5 AL = 65 MeCl 3.3 AL = 33 Acetone qualified as ND in SW and RB samples based upon TB detections
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were the LCS/LCSD recoveries within QAPP acceptance limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
Were the MRL recoveries within 70-130% limits?		•		Bromomethane, chloromethane, vinyl chloride and chloroethane >UCL, but these VOCs were all ND in the samples
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Were reported sample concentrations within calibration range?	•			
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?			•	
Were sample preparation sheets present and filled out appropriately?			•	

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report and EDD for requested field samples and tests?	.			
Were samples preserved properly and received in good condition?	.			
Were holding times met?	.			
Were sample receipt temperatures met?	.			
Were QAPP specified PQLs achieved?	.			See DV worksheet
Were all QAPP-specified target analytes reported?	.			
Was the GC/MS system properly tuned based on method criteria?	.			
Was the criteria met during each 12 hour shift (prior to ICAL and Cal Ver.)?	.			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	.			
Did the Calibration Check Compounds (CCCs) have a relative standard deviation within QAPP acceptance limits?	.			
Were the average response factors (RFs) for the System Performance Check Compounds (SPCCs) within QAPP acceptance limits?	.			
Were all other target analytes within criteria? OR Was the average across all target analytes within criteria? Was a different calibration option used?	.			
If a linear regression curve was used, was the correlation coefficient within criteria?	.			
Was a second source verification analyzed after the ICAL and all analytes within criteria?	.			
Was a CCV(s) run at the proper frequency?	.			
Was the CCV a mid-level standard from the initial calibration curve?	.			
Did the CCCs have a %Difference within QAPP acceptance limits?	.			
Were the average RFs for the SPCCs within QAPP acceptance limits?	.			
Was the average %D (difference or drift) for all target analytes within QAPP acceptance limits?	.			
Were the internal standards added to every standard, blank, matrix spike, matrix spike duplicate, and sample?	.			
Were the retention times for all IS compounds within QAPP acceptance limits?	.			
Are the area counts of all IS compounds within QAPP acceptance limits?	.			
Was a method blank prepared and analyzed with each batch?	.			
Were target analytes detected in the method blank above the MDL?		.		

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8270C

Review Questions	Yes	No	NA	Comment
Was a field blank (equipment or trip) collected and analyzed at the required frequency?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Was an LCS/LCSD pair prepared and analyzed with each batch?	•			
Were the LCS/LCSD recoveries within QAPP acceptance limits?		•		Hexachlorocyclopentadiene was low
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)			•	
Were the MRL recoveries within 70-130% limits?		•		2,4 DNP, 4,6 Dinitro-2-methylphenol, and hexachlorocyclopentadiene were low
Was the duplicate RPD within QAPP acceptance limits?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			
Was a MS/MSD pair prepared with each batch?			•	
Is the MS/MSD parent sample the one designated by the sampling team?			•	
Were MS/MSD recoveries and RPD within QAPP acceptance limits?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Were reported sample concentrations within calibration range?	•			
For non-aqueous sample, did the sample have a Percent Moisture less than 70.0%?			•	
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			
Were instrument run logs present and filled out appropriately?			•	
Were sample preparation sheets present and filled out appropriately?			•	

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Ravenna Army Ammunition Plant

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Review Questions

Method: SW8330B

Review Questions	Yes	No	NA	Comment
Did Chain-of-Custody information agree with laboratory report?	•			
Were samples preserved properly and received in good condition?	•			
Were sample receipt temperatures met?	•			
Were holding times for prep and analysis met?	•			
Does the initial calibration curve consist of 5 concentration levels, with the low standard near but > MDL?	•			
Is the ICAL %RSD within acceptance limits (%D =20%) ?	•			
Was a second source verification analyzed after the ICAL and all analytes within criteria (%D =20%)?	•			
Was a CCV(s) run at the proper frequency?	•			
Was the CCV a mid-level standard from the initial calibration curve?				
Was the CCV %D within criteria (%D =20%)?	•			
Was a method blank prepared and analyzed with each batch?	•			
Were target analytes detected in the method blank above the MDL?		•		
Was a field blank (equipment or trip) collected and analyzed?			•	
Were target analytes reported in the field blank analyses above the MDL?			•	
Were surrogate recoveries within QAPP acceptance limits?	•			
Was an LCS/LCSD pair prepared and analyzed with each batch? (if applicable)	•			
Were the MRL recoveries within 70-130% limits?	•			
Were the LCS/LCSD RPDs within QAPP acceptance limits? (if applicable)	•			
If a field duplicate was analyzed, were the RPDs within QAPP acceptance limits?			•	
Is the MS/MSD parent sample the one designated by the sampling team?	•			Sample #3 for nitroguanidine
Were MS/MSD recoveries and RPD within QAPP acceptance limits?	•			
Were all QAPP-specified target analytes reported?	•			
Were reported sample concentrations within calibration range?	•			
Were RPDs between primary and confirmation columns < 40%?	•			All NDs
Did PDA spectra for reported compounds match associated standard spectra?			•	
Are all samples associated with QC non-compliances flagged appropriately?	•			
Are the Qualified, Detected, and Rejected tables of the ADR report in agreement?	•			

Automated Data Review Detail Report for 240-49236-1_Erp_Synecotics_ChemLab_Mmr

Ravenna Army Ammunition Plant

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Review Questions

Method: SW8330B

Review Questions	Yes	No	NA	Comment
For non-aqueous sample, did the sample have a Percent Moisture less than 70.0%?				•
Have all Laboratory Case Narrative comments/findings been addressed in the data review process?	•			TNT on primary column interference from the matrix. TNT not confirmed on 2nd column.
Were sample preparation sheets present and filled out appropriately?				•
Were instrument run logs present and filled out appropriately?				•

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WORKSHEET 12

Automated Data Review Summary for Field Duplicate

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Field Duplicate Report By Event and Site
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012

Location **Analysis**
 69-1048-DU1-SS E353.2

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Nitrocellulose	ND	ND	47.0	NA	40	NA	OK

Location **Analysis**
 69-1048-DU1-SS SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Aluminum	14000	13000	2.70	7.41	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Antimony	0.140	0.160	0.180	13.3	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Arsenic	10.0	10.0	0.0890	0.00	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Barium	76.0	74.0	0.890	2.67	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Beryllium	0.820	0.750	0.0890	8.92	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Cadmium	0.290	0.270	0.0890	7.14	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Calcium	5300	5000	8.90	5.83	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Chromium	24.0	19.0	0.180	23.3	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Cobalt	11.0	11.0	0.0450	0.00	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Copper	19.0	30.0	0.180	44.9	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Iron	24000	24000	4.50	0.00	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Lead	19.0	19.0	0.0890	0.00	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Magnesium	3900	3800	8.90	2.60	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Manganese	430	480	0.450	11.0	50	OK	NA

Field Duplicate Report By Event and Site
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012

Location **Analysis**
 69-1048-DU1-SS SW6020

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Nickel	27.0	24.0	0.0890	11.8	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Potassium	1500	1200	8.90	22.2	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Selenium	0.780	0.710	0.450	9.40	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Silver	0.0340	0.0350	0.0890	2.90	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Sodium	53.0	52.0	8.90	1.90	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Thallium	0.230	0.180	0.0890	24.4	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Vanadium	21.0	20.0	0.0890	4.88	50	OK	NA
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Zinc	79.0	78.0	0.450	1.27	50	OK	NA

Location **Analysis**
 69-1048-DU1-SS SW7471A

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Mercury	0.206	0.120	0.110	52.8	50	NA	OK

Location **Analysis**
 69-1048-DU1-SS SW8081

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Aldrin	ND	ND	79.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	alpha-BHC (alpha-Hexachlorocyclohexane)	ND	ND	49.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	alpha-Chlordane	ND	ND	59.0	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant
RVAAP, QAPP Oct. 2012

Location **Analysis**
69-1048-DU1-SS SW8081

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	alpha-Endosulfan	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	beta-BHC (beta-Hexachlorocyclohexane)	ND	ND	69.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	beta-Endosulfan	ND	ND	49.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	delta-BHC (delta-Hexachlorocyclohexane)	ND	ND	79.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Dieldrin	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Endosulfan Sulfate	ND	ND	59.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Endrin	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Endrin Aldehyde	ND	ND	59.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Endrin Ketone	ND	ND	40.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	gamma-BHC (Lindane)	ND	ND	49.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	gamma-Chlordane	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Heptachlor	ND	ND	69.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Heptachlor Epoxide	ND	ND	49.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Methoxychlor	ND	ND	99.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	p,p'-DDD	ND	ND	40.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	p,p'-DDE	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	p,p'-DDT	ND	ND	40.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Toxaphene	ND	ND	1300	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant
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Location **Analysis**
69-1048-DU1-SS SW8082

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	PCB-1016 (Arochlor 1016)	ND	ND	64.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	PCB-1221 (Arochlor 1221)	ND	ND	49.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	PCB-1232 (Arochlor 1232)	ND	ND	44.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	PCB-1242 (Arochlor 1242)	ND	ND	40.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	PCB-1248 (Arochlor 1248)	ND	ND	54.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	PCB-1254 (Arochlor 1254)	ND	ND	54.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	PCB-1260 (Arochlor 1260)	41.0	ND	54.0	NA	50	NA	OK

Location **Analysis**
69-1048-DU1-SS SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,1,1-Trichloroethane	ND	ND	4.90	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,1,2,2-Tetrachloroethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,1,2-Trichloroethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,1-Dichloroethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,1-Dichloroethene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,2-Dibromoethane (EDB)	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,2-Dichloroethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,2-Dichloroethene	ND	ND	10.0	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant
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Location **Analysis**
69-1048-DU1-SS SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,2-Dichloropropane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Butanone (MEK)	ND	ND	20.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Hexanone	ND	1.40	20.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Methyl-2-pentanone (MIBK)	ND	0.930	20.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Acetone	ND	ND	19.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Bromochloromethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Bromodichloromethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Bromoform	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Bromomethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Carbon Disulfide	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Carbon Tetrachloride	ND	ND	4.90	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Chlorobenzene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Chloroethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Chloroform	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Chloromethane	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	cis-1,3-Dichloropropene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Dibromochloromethane	ND	ND	5.10	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant
RVAAP, QAPP Oct. 2012

Location **Analysis**
69-1048-DU1-SS SW8260B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Ethylbenzene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Methylene Chloride	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Styrene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	tert-Butyl Methyl Ether (MTBE)	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Tetrachloroethene (PCE)	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Toluene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	trans-1,3-Dichloropropene	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Trichloroethene (TCE)	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Vinyl Chloride	ND	ND	5.10	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Xylenes, Total	ND	ND	10.0	NA	50	NA	OK

Location **Analysis**
69-1048-DU1-SS SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,2,4-Trichlorobenzene	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,2-Dichlorobenzene	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,3-Dichlorobenzene	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,4-Dichlorobenzene	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4,5-Trichlorophenol	ND	ND	750	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Location **Analysis**
69-1048-DU1-SS SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4,6-Trichlorophenol	ND	ND	750	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4-Dichlorophenol	ND	ND	750	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4-Dimethylphenol	ND	ND	750	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4-Dinitrophenol	ND	ND	1700	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4-Dinitrotoluene	ND	ND	1000	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,6-Dinitrotoluene	ND	ND	1000	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Chloronaphthalene	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Chlorophenol	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Methylnaphthalene	20.0	21.0	34.0	4.88	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Methylphenol (o-Cresol)	ND	ND	1000	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Nitroaniline	ND	ND	1000	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Nitrophenol	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	3,3'-Dichlorobenzidine	ND	ND	500	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	3-Nitroaniline	ND	ND	1000	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4,6-Dinitro-2-Methylphenol	ND	ND	750	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Bromophenyl phenyl ether	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Chloro-3-Methylphenol	ND	ND	750	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Chloroaniline	ND	ND	750	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant
RVAAP, QAPP Oct. 2012

Location Analysis
69-1048-DU1-SS SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Chlorophenyl Phenyl Ether	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Nitroaniline	ND	ND	1000	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Nitrophenol	ND	ND	1700	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Acenaphthene	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Acenaphthylene	ND	16.0	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Anthracene	ND	18.0	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzo(a)anthracene	54.0	120	34.0	75.9	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzo(a)pyrene	93.0	120	34.0	25.4	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzo(b)fluoranthene	90.0	150	34.0	50.0	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzo(g,h,i)perylene	52.0	63.0	34.0	19.1	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzo(k)fluoranthene	28.0	45.0	34.0	46.6	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzoic acid	ND	ND	3300	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzyl alcohol	ND	ND	1700	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Benzyl butyl phthalate	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	bis(2-Chloroethoxy) Methane	ND	ND	500	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ND	ND	500	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	bis(2-Chloroisopropyl) Ether	ND	ND	500	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	bis(2-Ethylhexyl) Phthalate	ND	ND	250	NA	50	NA	OK

Field Duplicate Report By Event and Site
Ravenna Army Ammunition Plant
RVAAP, QAPP Oct. 2012

Location **Analysis**
69-1048-DU1-SS SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Carbazole	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Chrysene	72.0	130	34.0	57.4	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Cresols, m & p	ND	ND	2000	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Di-n-Butyl Phthalate	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Di-n-Octylphthalate	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Dibenz(a,h)anthracene	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Dibenzofuran	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Diethyl Phthalate	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Dimethyl Phthalate	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Fluoranthene	120	190	34.0	45.2	50	NA	70
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Fluorene	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Hexachlorobenzene	ND	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Hexachlorobutadiene	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Hexachlorocyclopentadiene	ND	ND	1700	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Hexachloroethane	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Indeno(1,2,3-c,d)pyrene	69.0	82.0	34.0	17.2	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Isophorone	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	n-Nitrosodi-n-propylamine	ND	ND	250	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant
RVAAP, QAPP Oct. 2012

Location **Analysis**
69-1048-DU1-SS SW8270C

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	n-Nitrosodiphenylamine	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Naphthalene	18.0	ND	34.0	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Nitrobenzene	ND	ND	500	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Pentachlorophenol	ND	ND	750	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Phenanthrene	53.0	65.0	34.0	20.3	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Phenol	ND	ND	250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Pyrene	86.0	170	34.0	65.6	50	NA	84

Location **Analysis**
69-1048-DU1-SS SW8330B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,3,5-Trinitrobenzene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	1,3-Dinitrobenzene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4,6-Trinitrotoluene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,4-Dinitrotoluene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2,6-Dinitrotoluene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Amino-4,6-dinitrotoluene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	2-Nitrotoluene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	3-Nitrotoluene	ND	ND	0.250	NA	50	NA	OK

Field Duplicate Report By Event and Site

Ravenna Army Ammunition Plant
RVAAP, QAPP Oct. 2012

Location **Analysis**
69-1048-DU1-SS SW8330B

Sample Date	Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Amino-2,6-Dinitrotoluene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	4-Nitrotoluene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX)	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Nitrobenzene	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Nitroglycerin	ND	ND	0.500	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	NITROGUANIDINE	ND	0.340	0.240	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX)	ND	ND	0.250	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Pentaerythritol Tetranitrate	ND	ND	0.500	NA	50	NA	OK
Nov 11 2012	069SS-0001M-0001-SO / 069SS-0002M-0001-SO	240-17525-1 / 240-17525-2	Tetryl	ND	0.0730	0.250	NA	50	NA	OK

FD = Field Duplicate
RL = Reporting Limit
RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**

69-1048-SB101 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,1,1-Trichloroethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,1,2,2-Tetrachloroethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,1,2-Trichloroethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,1-Dichloroethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,1-Dichloroethene	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,2-Dibromoethane (EDB)	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,2-Dichloroethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,2-Dichloroethene	ND	ND	440	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	1,2-Dichloropropane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	2-Butanone (MEK)	ND	ND	880	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	2-Hexanone	ND	ND	880	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	4-Methyl-2-pentanone (MIBK)	ND	ND	880	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Acetone	310	260	880	17.5	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Benzene	ND	ND	220	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**

69-1048-SB101 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Bromochloromethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Bromodichloromethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Bromoform	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Bromomethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Carbon disulfide	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Carbon tetrachloride	4300	4700	220	8.89	50	OK	NA
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Chlorobenzene	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Chloroethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Chloroform	190	220	220	14.6	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Chloromethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	cis-1,3-Dichloropropene	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Dibromochloromethane	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Ethylbenzene	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Methyl tert-butyl ether (MTBE)	ND	ND	220	NA	50	NA	OK

FD = Field Duplicate

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RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location Analysis

69-1048-SB101 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Methylene chloride	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Styrene	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Tetrachloroethene (PCE)	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Toluene	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	trans-1,3-Dichloropropene	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Trichloroethene (TCE)	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Vinyl chloride	ND	ND	220	NA	50	NA	OK
069SB-0031-0001-SO / 069SB-0032-0001-SO	240-49085-3 / 240-49085-4	Xylenes, Total	ND	ND	440	NA	50	NA	OK

Location Analysis

69-1048-SB102 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,1,1-Trichloroethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,1,2,2-Tetrachloroethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,1,2-Trichloroethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,1-Dichloroethane	ND	ND	5.90	NA	50	NA	OK

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RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**

69-1048-SB102 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,1-Dichloroethene	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,2-Dibromoethane (EDB)	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,2-Dichloroethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,2-Dichloroethene	ND	ND	12.0	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	1,2-Dichloropropane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	2-Butanone (MEK)	ND	ND	24.0	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	2-Hexanone	ND	ND	24.0	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	4-Methyl-2-pentanone (MIBK)	ND	ND	24.0	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Acetone	ND	ND	29.0	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Benzene	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Bromochloromethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Bromodichloromethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Bromoform	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Bromomethane	ND	ND	5.90	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**

69-1048-SB102 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Carbon disulfide	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Carbon tetrachloride	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Chlorobenzene	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Chloroethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Chloroform	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Chloromethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	cis-1,3-Dichloropropene	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Dibromochloromethane	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Ethylbenzene	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Methyl tert-butyl ether (MTBE)	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Methylene chloride	ND	ND	7.20	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Styrene	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Tetrachloroethene (PCE)	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Toluene	ND	ND	5.90	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location Analysis

69-1048-SB102 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	trans-1,3-Dichloropropene	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Trichloroethene (TCE)	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Vinyl chloride	ND	ND	5.90	NA	50	NA	OK
069SB-0039-0001-SO / 069SB-0040-0001-SO	240-49085-11 / 240-49085-12	Xylenes, Total	ND	ND	12.0	NA	50	NA	OK

Location Analysis

69-1048-SB103 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,1,1-Trichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,1,2,2-Tetrachloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,1,2-Trichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,1-Dichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,1-Dichloroethene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,2-Dibromoethane (EDB)	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,2-Dichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,2-Dichloroethene	ND	ND	9.50	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**
69-1048-SB103 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	1,2-Dichloropropane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	2-Butanone (MEK)	ND	ND	19.0	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	2-Hexanone	ND	ND	19.0	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	4-Methyl-2-pentanone (MIBK)	ND	ND	19.0	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Acetone	ND	ND	17.0	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Benzene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Bromochloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Bromodichloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Bromoform	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Bromomethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Carbon disulfide	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Carbon tetrachloride	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Chlorobenzene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Chloroethane	ND	ND	4.70	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**

69-1048-SB103 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Chloroform	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Chloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	cis-1,3-Dichloropropene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Dibromochloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Ethylbenzene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Methyl tert-butyl ether (MTBE)	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Methylene chloride	ND	ND	4.30	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Styrene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Tetrachloroethene (PCE)	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Toluene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	trans-1,3-Dichloropropene	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Trichloroethene (TCE)	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Vinyl chloride	ND	ND	4.70	NA	50	NA	OK
069SB-0046-0001-SO / 069SB-0047-0001-SO	240-49085-18 / 240-49085-19	Xylenes, Total	ND	ND	9.50	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**

69-1048-SB104 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,1,1-Trichloroethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,1,2,2-Tetrachloroethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,1,2-Trichloroethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,1-Dichloroethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,1-Dichloroethene	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,2-Dibromoethane (EDB)	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,2-Dichloroethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,2-Dichloroethene	ND	ND	470	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	1,2-Dichloropropane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	2-Butanone (MEK)	ND	ND	930	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	2-Hexanone	ND	ND	930	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	4-Methyl-2-pentanone (MIBK)	ND	ND	930	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Acetone	310	ND	930	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Benzene	ND	ND	230	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**

69-1048-SB104 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Bromochloromethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Bromodichloromethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Bromoform	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Bromomethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Carbon disulfide	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Carbon tetrachloride	310	130	230	81.8	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Chlorobenzene	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Chloroethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Chloroform	33.0	13.0	230	87.0	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Chloromethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	cis-1,3-Dichloropropene	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Dibromochloromethane	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Ethylbenzene	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Methyl tert-butyl ether (MTBE)	ND	ND	230	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG

Ravenna Army Ammunition Plant

RVAAP, QAPP Oct. 2012

Field Duplicates for SDG: 240-49085-1_

Location **Analysis**
69-1048-SB104 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Methylene chloride	ND	20.0	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Styrene	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Tetrachloroethene (PCE)	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Toluene	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	trans-1,3-Dichloropropene	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Trichloroethene (TCE)	ND	0.400	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Vinyl chloride	ND	ND	230	NA	50	NA	OK
069SB-0051-0001-SO / 069SB-0052-0001-SO	240-49085-23 / 240-49085-24	Xylenes, Total	ND	ND	470	NA	50	NA	OK

FD = Field Duplicate

RL = Reporting Limit

RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012
 Field Duplicates for SDG: 240-50056-
 1 Ero Svnectics ChemLab Mmr

Location **Analysis**
 69-1048-SB107 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,1,1-Trichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,1,2,2-Tetrachloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,1,2-Trichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,1-Dichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,1-Dichloroethene	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,2-Dibromoethane (EDB)	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,2-Dichloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,2-Dichloroethene	ND	ND	9.30	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	1,2-Dichloropropane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	2-Butanone (MEK)	ND	ND	19.0	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	2-Hexanone	ND	ND	19.0	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	4-Methyl-2-pentanone (MIBK)	ND	ND	19.0	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Acetone	ND	ND	19.0	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Benzene	ND	ND	4.70	NA	50	NA	OK

FD = Field Duplicate
 RL = Reporting Limit
 RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

Field Duplicate Report By SDG
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012
 Field Duplicates for SDG: 240-50056-
 1 Ero Svnectics ChemLab Mmr
Location Analysis

69-1048-SB107 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Bromochloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Bromodichloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Bromoform	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Bromomethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Carbon disulfide	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Carbon tetrachloride	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Chlorobenzene	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Chloroethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Chloroform	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Chloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	cis-1,3-Dichloropropene	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Dibromochloromethane	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Ethylbenzene	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Methyl tert-butyl ether (MTBE)	ND	ND	4.70	NA	50	NA	OK

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Field Duplicate Report By SDG
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012
 Field Duplicates for SDG: 240-50056-
 1 Ero Svnectics ChemLab Mmr

Location Analysis
 69-1048-SB107 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Methylene chloride	ND	ND	5.50	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Styrene	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Tetrachloroethene (PCE)	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Toluene	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	trans-1,3-Dichloropropene	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Trichloroethene (TCE)	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Vinyl chloride	ND	ND	4.70	NA	50	NA	OK
069SB-0077-0001-SO / 069SB-0078-0001-SO	240-50056-17 / 240-50056-18	Xylenes, Total	ND	ND	9.30	NA	50	NA	OK

Location Analysis
 69-1048-SB108 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,1,1-Trichloroethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,1,2,2-Tetrachloroethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,1,2-Trichloroethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,1-Dichloroethane	ND	ND	4.40	NA	50	NA	OK

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Field Duplicate Report By SDG
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012
 Field Duplicates for SDG: 240-50056-
 1 Ero Svnectics ChemLab Mmr
Location Analysis

69-1048-SB108 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,1-Dichloroethene	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,2-Dibromoethane (EDB)	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,2-Dichloroethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,2-Dichloroethene	ND	ND	8.70	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	1,2-Dichloropropane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	2-Butanone (MEK)	ND	ND	17.0	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	2-Hexanone	ND	ND	17.0	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	4-Methyl-2-pentanone (MIBK)	ND	ND	17.0	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Acetone	ND	ND	17.0	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Benzene	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Bromochloromethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Bromodichloromethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Bromoform	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Bromomethane	ND	ND	4.40	NA	50	NA	OK

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Field Duplicate Report By SDG
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012
 Field Duplicates for SDG: 240-50056-
 1 Ero Svnectics ChemLab Mmr
Location Analysis

69-1048-SB108 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Carbon disulfide	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Carbon tetrachloride	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Chlorobenzene	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Chloroethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Chloroform	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Chloromethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	cis-1,3-Dichloropropene	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Dibromochloromethane	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Ethylbenzene	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Methyl tert-butyl ether (MTBE)	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Methylene chloride	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Styrene	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Tetrachloroethene (PCE)	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Toluene	ND	ND	4.40	NA	50	NA	OK

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Field Duplicate Report By SDG
 Ravenna Army Ammunition Plant
 RVAAP, QAPP Oct. 2012
 Field Duplicates for SDG: 240-50056-
 1 Ero Svnectics ChemLab Mmr
Location **Analysis**

69-1048-SB108 SW8260B

Field ID - Primary/Field Dup	Lab ID - Primary/Field Dup	Analyte	Primary Result	FD Result	RL	RPD	RPD Criteria	RPD Check	RL Check
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	trans-1,3-Dichloropropene	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Trichloroethene (TCE)	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Vinyl chloride	ND	ND	4.40	NA	50	NA	OK
069SB-0082-0001-SO / 069SB-0083-0001-SO	240-50056-22 / 240-50056-23	Xylenes, Total	ND	ND	8.70	NA	50	NA	OK

FD = Field Duplicate
 RL = Reporting Limit
 RPD = Relative Percent Difference

RL Check = If either the primary sample or field duplicate result is less than 5 times the RL then the criteria used to determine if the field duplicate is outside QC limits is +/- RL for Water and +/- 2 times RL for Soil

ATTACHMENTS

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ATTACHMENT A

**Field Blank Quality Control – Trip Blanks and Equipment Rinsate
Blanks**

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Trip Blank
Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
 Ravenna Army Ammunition Plant

	TB-1	TB-2	TB-3
Locations:	77-1037-DU1-SS	69-1048-DU1-SB4	69-1048-DU1-SB5
Field Sample ID:	077SS-0003-0001-TB	069SB-0027-0001-TB	069SB-0028-0001-TB
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	11/11/2012	11/12/2012	11/12/2012
Volatile Organic Compounds by Capillary GC/MS			
1,1,1-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB) (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (UG/L)	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane (UG/L)	1.0 U	1.0 U	1.0 U
2-Butanone (MEK) (UG/L)	10.0 U	10.0 U	10.0 U
2-Hexanone (UG/L)	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone (MIBK) (UG/L)	10.0 U	10.0 U	10.0 U
Acetone (UG/L)	10.0 U	10.0 UJ	10.0 UJ
Benzene (UG/L)	1.0 U	1.0 U	1.0 U
Bromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromodichloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromoform (UG/L)	1.0 U	1.0 U	1.0 U
Bromomethane (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Disulfide (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (UG/L)	1.0 U	1.0 U	1.0 U
Chlorobenzene (UG/L)	1.0 U	1.0 U	1.0 U
Chloroethane (UG/L)	1.0 U	1.0 U	1.0 U
Chloroform (UG/L)	1.0 U	1.0 U	1.0 U
Chloromethane (UG/L)	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Dibromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Ethylbenzene (UG/L)	1.0 U	1.0 U	1.0 U
tert-Butyl Methyl Ether (MTBE) (UG/L)	1.0 U	-	-
Methylene Chloride (UG/L)	1.0 U	1.0 UJ	1.0 UJ
Styrene (UG/L)	1.0 U	1.0 U	1.0 U
Tetrachloroethene (PCE) (UG/L)	1.0 U	1.0 U	1.0 U
Toluene (UG/L)	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Trichloroethene (TCE) (UG/L)	1.0 U	1.0 U	1.0 U
Vinyl Chloride (UG/L)	1.0 U	1.0 U	1.0 U
Xylenes, Total (UG/L)	2.0 U	2.0 U	2.0 U

Trip Blank
Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
 Ravenna Army Ammunition Plant

	TB-4	TB-5	TB-6
Locations:	69-1048-SB101	69-1048-SB102	69-1048-SB103
Field Sample ID:	069SB-0063-0001-TB	069SB-0064-0001-TB	069SB-0065-0001-TB
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	04/07/2015	04/07/2015	04/07/2015
Volatile Organic Compounds by Capillary GC/MS			
1,1,1-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB) (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (UG/L)	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane (UG/L)	1.0 U	1.0 U	1.0 U
2-Butanone (MEK) (UG/L)	10.0 U	10.0 U	10.0 U
2-Hexanone (UG/L)	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone (MIBK) (UG/L)	10.0 U	10.0 U	10.0 U
Acetone (UG/L)	10.0 U	10.0 U	10.0 U
Benzene (UG/L)	1.0 U	1.0 U	1.0 U
Bromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromodichloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromoform (UG/L)	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Disulfide (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (UG/L)	1.0 U	1.0 U	1.0 U
Chlorobenzene (UG/L)	1.0 U	1.0 U	1.0 U
Chloroethane (UG/L)	1.0 U	1.0 U	1.0 U
Chloroform (UG/L)	1.0 U	1.0 U	1.0 U
Chloromethane (UG/L)	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene (UG/L)	1.0 UJ	1.0 UJ	1.0 UJ
Dibromochloromethane (UG/L)	1.0 UJ	1.0 UJ	1.0 UJ
Ethylbenzene (UG/L)	1.0 U	1.0 U	1.0 U
tert-Butyl Methyl Ether (MTBE) (UG/L)	1.0 U	1.0 U	1.0 U
Methylene Chloride (UG/L)	1.0 UJ	1.0 UJ	1.0 UJ
Styrene (UG/L)	1.0 U	1.0 U	1.0 U
Tetrachloroethene (PCE) (UG/L)	1.0 U	1.0 U	1.0 U
Toluene (UG/L)	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene (UG/L)	1.0 UJ	1.0 UJ	1.0 UJ
Trichloroethene (TCE) (UG/L)	1.0 U	1.0 U	1.0 U
Vinyl Chloride (UG/L)	1.0 U	1.0 U	1.0 U
Xylenes, Total (UG/L)	2.0 U	2.0 U	2.0 U

**Trip Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

	TB-7	TB-8	TB-9
Locations:	69-1048-SB105	69-1048-SB101	69-1048-SB106
Field Sample ID:	069SB-0066-0001-TB	069SB-0088-0001-TB	069SB-0089-0001-TB
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	04/07/2015	04/29/2015	04/29/2015
Volatile Organic Compounds by Capillary GC/MS			
1,1,1-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB) (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (UG/L)	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane (UG/L)	1.0 U	1.0 U	1.0 U
2-Butanone (MEK) (UG/L)	10.0 U	10.0 U	10.0 U
2-Hexanone (UG/L)	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone (MIBK) (UG/L)	10.0 U	10.0 U	10.0 U
Acetone (UG/L)	10.0 U	7.9 J	8.5 J
Benzene (UG/L)	1.0 U	1.0 U	1.0 U
Bromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromodichloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromoform (UG/L)	1.0 UJ	1.0 U	1.0 U
Bromomethane (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Disulfide (UG/L)	1.0 U	1.0 UJ	1.0 UJ
Carbon Tetrachloride (UG/L)	1.0 U	1.0 U	1.0 U
Chlorobenzene (UG/L)	1.0 U	1.0 U	1.0 U
Chloroethane (UG/L)	1.0 U	1.0 U	1.0 U
Chloroform (UG/L)	1.0 U	1.0 U	1.0 U
Chloromethane (UG/L)	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene (UG/L)	1.0 UJ	1.0 U	1.0 U
Dibromochloromethane (UG/L)	1.0 UJ	1.0 U	1.0 U
Ethylbenzene (UG/L)	1.0 U	1.0 U	1.0 U
tert-Butyl Methyl Ether (MTBE) (UG/L)	1.0 U	1.0 U	1.0 U
Methylene Chloride (UG/L)	1.0 UJ	1.0 UJ	1.0 UJ
Styrene (UG/L)	1.0 U	1.0 U	1.0 U
Tetrachloroethene (PCE) (UG/L)	1.0 U	1.0 U	1.0 U
Toluene (UG/L)	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene (UG/L)	1.0 UJ	1.0 U	1.0 U
Trichloroethene (TCE) (UG/L)	1.0 U	1.0 U	1.0 U
Vinyl Chloride (UG/L)	1.0 U	1.0 U	1.0 U
Xylenes, Total (UG/L)	2.0 U	2.0 U	2.0 U

**Trip Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

	QC TB-1	QC TB-3	QC TB-4
Locations:	70-4744-DU1-SB6	76-A3-DU1-SB4	79-LL3-SB103
Field Sample ID:	070-0060-0001-TB	076-0068-0001-TB	079SB-0388-0001-TB
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	11/15/2012	04/10/2015
Volatile Organic Compounds by Capillary GC/MS			
1,1,1-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB) (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (UG/L)	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane (UG/L)	1.0 U	1.0 U	1.0 U
2-Butanone (MEK) (UG/L)	10.0 U	10.0 U	10.0 U
2-Hexanone (UG/L)	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone (MIBK) (UG/L)	10.0 U	10.0 U	10.0 U
Acetone (UG/L)	10.0 U	10.0 UJ	6.5 J
Benzene (UG/L)	1.0 U	1.0 U	1.0 U
Bromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromodichloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromoform (UG/L)	1.0 U	1.0 U	1.0 U
Bromomethane (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Disulfide (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (UG/L)	1.0 U	1.0 U	1.0 U
Chlorobenzene (UG/L)	1.0 U	1.0 U	1.0 U
Chloroethane (UG/L)	1.0 U	1.0 U	1.0 U
Chloroform (UG/L)	0.32 J	1.0 U	1.0 U
Chloromethane (UG/L)	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Dibromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Ethylbenzene (UG/L)	1.0 U	1.0 U	1.0 U
tert-Butyl Methyl Ether (MTBE) (UG/L)	1.0 U	1.0 U	1.0 U
Methylene Chloride (UG/L)	1.0 U	1.0 U	3.3
Styrene (UG/L)	1.0 U	1.0 UJ	1.0 U
Tetrachloroethene (PCE) (UG/L)	1.0 U	1.0 U	1.0 U
Toluene (UG/L)	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Trichloroethene (TCE) (UG/L)	1.0 U	1.0 U	1.0 U
Vinyl Chloride (UG/L)	1.0 U	1.0 U	1.0 U
Xylenes, Total (UG/L)	2.0 U	2.0 U	2.0 U

Trip Blank
Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance Project
Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

QC TB-2

Locations:	70-4744-DU1-SB6
Field Sample ID:	070SB-0005-0001-TB
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	12/12/2012
Modified SW8015 for the Determination of Gasoline Range Organics in Soil and Water, GC/FID	
Petroleum Hydrocarbons C6-C12 (UG/L)	37.0 J

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project
Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1	ER-6	ER-7
Field Sample ID:	076-0067-0001-ER	069SB-0090-0001-RB	069SB-0387-0001-RB
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	11/15/2012	04/30/2015	04/10/2015
Volatile Organic Compounds by Capillary GC/MS			
1,1,1-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB) (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (UG/L)	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane (UG/L)	1.0 U	1.0 U	1.0 U
2-Butanone (MEK) (UG/L)	10.0 U	10.0 U	10.0 U
2-Hexanone (UG/L)	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone (MIBK) (UG/L)	10.0 U	10.0 U	10.0 U
Acetone (UG/L)	10.0 UJ	1.5 J	10.0 U
Benzene (UG/L)	1.0 U	1.0 U	1.0 U
Bromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromodichloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromoform (UG/L)	1.0 U	1.0 U	1.0 U
Bromomethane (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Disulfide (UG/L)	1.0 U	1.0 UJ	1.0 U
Carbon Tetrachloride (UG/L)	1.0 U	1.0 U	1.0 U
Chlorobenzene (UG/L)	1.0 U	1.0 U	1.0 U
Chloroethane (UG/L)	1.0 U	1.0 U	1.0 U
Chloroform (UG/L)	0.61 J	1.0 U	1.0 U
Chloromethane (UG/L)	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Dibromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Ethylbenzene (UG/L)	1.0 U	1.0 U	1.0 U
tert-Butyl Methyl Ether (MTBE) (UG/L)	1.0 U	1.0 U	1.0 U

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project
Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1	ER-6	ER-7
Field Sample ID:	076-0067-0001-ER	069SB-0090-0001-RB	069SB-0387-0001-RB
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	11/15/2012	04/30/2015	04/10/2015
Volatile Organic Compounds by Capillary GC/MS			
Methylene Chloride (UG/L)	1.0 U	1.0 UJ	1.0 U
Styrene (UG/L)	1.0 UJ	1.0 U	1.0 U
Tetrachloroethene (PCE) (UG/L)	1.0 U	1.0 U	1.0 U
Toluene (UG/L)	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Trichloroethene (TCE) (UG/L)	1.0 U	1.0 U	1.0 U
Vinyl Chloride (UG/L)	1.0 U	1.0 U	1.0 U
Xylenes, Total (UG/L)	2.0 U	2.0 U	2.0 U

Equipment Blank Chemistry Results

Ravenna Army Ammunition Plant, Quality
Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Semivolatile Organic Compounds by Capillary GC/MS	
1,2,4-Trichlorobenzene (UG/L)	0.97 U
1,2-Dichlorobenzene (UG/L)	0.97 U
1,3-Dichlorobenzene (UG/L)	0.97 U
1,4-Dichlorobenzene (UG/L)	0.97 U
2,4,5-Trichlorophenol (UG/L)	4.9 U
2,4,6-Trichlorophenol (UG/L)	4.9 U
2,4-Dichlorophenol (UG/L)	1.9 U
2,4-Dimethylphenol (UG/L)	1.9 U
2,4-Dinitrophenol (UG/L)	4.9 U
2,4-Dinitrotoluene (UG/L)	4.9 U
2,6-Dinitrotoluene (UG/L)	4.9 U
2-Chloronaphthalene (UG/L)	0.97 U
2-Chlorophenol (UG/L)	0.97 U
2-Methylnaphthalene (UG/L)	0.19 U
2-Methylphenol (o-Cresol) (UG/L)	0.97 U
2-Nitroaniline (UG/L)	1.9 U
2-Nitrophenol (UG/L)	1.9 U
3,3'-Dichlorobenzidine (UG/L)	4.9 UJ
3-Nitroaniline (UG/L)	1.9 U
4,6-Dinitro-2-Methylphenol (UG/L)	4.9 U
4-Bromophenyl phenyl ether (UG/L)	1.9 U
4-Chloro-3-Methylphenol (UG/L)	1.9 U
4-Chloroaniline (UG/L)	1.9 U
4-Chlorophenyl Phenyl Ether (UG/L)	1.9 U
4-Nitroaniline (UG/L)	1.9 U
4-Nitrophenol (UG/L)	4.9 U
Acenaphthene (UG/L)	0.19 U

Equipment Blank Chemistry Results

Ravenna Army Ammunition Plant, Quality
Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Semivolatile Organic Compounds by Capillary GC/MS	
Acenaphthylene (UG/L)	0.19 U
Anthracene (UG/L)	0.19 U
Benzo(a)anthracene (UG/L)	0.19 U
Benzo(a)pyrene (UG/L)	0.19 U
Benzo(b)fluoranthene (UG/L)	0.19 U
Benzo(g,h,i)perylene (UG/L)	0.19 U
Benzo(k)fluoranthene (UG/L)	0.19 U
Benzoic acid (UG/L)	24.0 U
Benzyl alcohol (UG/L)	4.9 U
Benzyl butyl phthalate (UG/L)	0.97 U
bis(2-Chloroethoxy) Methane (UG/L)	0.97 U
bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) (UG/L)	0.97 U
bis(2-Chloroisopropyl) Ether (UG/L)	0.97 U
bis(2-Ethylhexyl) Phthalate (UG/L)	1.9 U
Carbazole (UG/L)	0.97 U
Chrysene (UG/L)	0.19 U
Cresols, m & p (UG/L)	1.9 U
Dibenz(a,h)anthracene (UG/L)	0.19 U
Dibenzofuran (UG/L)	0.97 U
Diethyl Phthalate (UG/L)	0.97 U
Dimethyl Phthalate (UG/L)	0.97 U
Di-n-Butyl Phthalate (UG/L)	0.97 U
Di-n-Octylphthalate (UG/L)	0.97 U
Fluoranthene (UG/L)	0.19 U
Fluorene (UG/L)	0.19 U
Hexachlorobenzene (UG/L)	0.19 U
Hexachlorobutadiene (UG/L)	0.97 U

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality
Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Semivolatile Organic Compounds by Capillary GC/MS	
Hexachlorocyclopentadiene (UG/L)	9.7 U
Hexachloroethane (UG/L)	0.97 U
Indeno(1,2,3-c,d)pyrene (UG/L)	0.19 U
Isophorone (UG/L)	0.97 U
Naphthalene (UG/L)	0.19 U
Nitrobenzene (UG/L)	0.97 U
n-Nitrosodi-n-propylamine (UG/L)	0.97 U
n-Nitrosodiphenylamine (UG/L)	0.97 UJ
Pentachlorophenol (UG/L)	4.9 U
Phenanthrene (UG/L)	0.19 U
Phenol (UG/L)	0.97 U
Pyrene (UG/L)	0.19 U

Equipment Blank Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance
Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Trace Metals by Inductively Coupled Plasma/Mass Spectrometry	
Aluminum (UG/L)	60.0 U
Antimony (UG/L)	0.34 J
Arsenic (UG/L)	5.0 U
Barium (UG/L)	5.0 U
Beryllium (UG/L)	1.0 U
Cadmium (UG/L)	2.0 U
Calcium (UG/L)	2000 U
Chromium (UG/L)	0.60 J
Cobalt (UG/L)	1.0 U
Copper (UG/L)	4.0 U
Iron (UG/L)	150 U
Lead (UG/L)	1.0 U
Magnesium (UG/L)	1000 U
Manganese (UG/L)	3.5 J
Nickel (UG/L)	20.0
Potassium (UG/L)	1000 U
Selenium (UG/L)	5.0 U
Silver (UG/L)	1.0 U
Sodium (UG/L)	1000 U
Thallium (UG/L)	0.75 J
Vanadium (UG/L)	5.0 U
Zinc (UG/L)	10.0 J

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance
Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Mercury in Water (Manual Cold-Vapor Technique)	
Mercury (UG/L)	0.20 U

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project
Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012

Polychlorinated Biphenyls (PCB) by Capillary GC

PCB-1016 (Arochlor 1016) (UG/L)	0.48 U
PCB-1221 (Arochlor 1221) (UG/L)	0.48 U
PCB-1232 (Arochlor 1232) (UG/L)	0.48 U
PCB-1242 (Arochlor 1242) (UG/L)	0.48 U
PCB-1248 (Arochlor 1248) (UG/L)	0.48 U
PCB-1254 (Arochlor 1254) (UG/L)	0.48 U
PCB-1260 (Arochlor 1260) (UG/L)	0.48 U

Equipment Blank Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance
Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Organochlorine Pesticides by Capillary GC	
Aldrin (UG/L)	0.048 U
alpha-BHC (alpha-Hexachlorocyclohexane) (UG/L)	0.048 U
alpha-Chlordane (UG/L)	0.048 U
alpha-Endosulfan (UG/L)	0.048 U
beta-BHC (beta-Hexachlorocyclohexane) (UG/L)	0.048 U
beta-Endosulfan (UG/L)	0.048 U
delta-BHC (delta-Hexachlorocyclohexane) (UG/L)	0.048 U
Dieldrin (UG/L)	0.048 U
Endosulfan Sulfate (UG/L)	0.048 U
Endrin (UG/L)	0.048 U
Endrin Aldehyde (UG/L)	0.048 U
Endrin Ketone (UG/L)	0.048 U
gamma-BHC (Lindane) (UG/L)	0.048 U
gamma-Chlordane (UG/L)	0.048 U
Heptachlor (UG/L)	0.048 U
Heptachlor Epoxide (UG/L)	0.048 U
Methoxychlor (UG/L)	0.096 U
p,p'-DDD (UG/L)	0.048 U
p,p'-DDE (UG/L)	0.048 U
p,p'-DDT (UG/L)	0.048 U
Toxaphene (UG/L)	1.9 U

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project
Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzylation	
2,4 DB (UG/L)	4.0 U
2,4,5-T (Trichlorophenoxyacetic Acid) (UG/L)	1.0 U
2,4-D (Dichlorophenoxyacetic Acid) (UG/L)	4.0 U
Dalapon (UG/L)	2.0 U
Dicamba (UG/L)	2.0 U
Dichloroprop (UG/L)	4.0 U
Dinoseb (UG/L)	0.60 U
MCPA (UG/L)	400 UJ
MCPP (UG/L)	400 U
Pentachlorophenol (UG/L)	0.10 U
Silvex (2,4,5-TP) (UG/L)	1.0 U

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality
Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Modified SW8015 for the Determination of Diesel Range Organics in Soil and Water, GC/FID	
C10-C20 Diesel Range Organics (UG/L)	-
C20-C34 Motor Oil Range Organics (UG/L)	-

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality
Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012

Modified SW8015 for the Determination of Gasoline Range
Organics in Soil and Water, GC/FID

Petroleum Hydrocarbons C6-C12 (UG/L)	33.0 J
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**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project
Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Nitroaromatics and Nitramines by HPLC	
1,3,5-Trinitrobenzene (UG/L)	0.10 U
1,3-Dinitrobenzene (UG/L)	0.10 U
2,4,6-Trinitrotoluene (UG/L)	0.10 U
2,4-Dinitrotoluene (UG/L)	0.10 U
2,6-Dinitrotoluene (UG/L)	0.10 U
2-Amino-4,6-dinitrotoluene (UG/L)	0.21 U
2-Nitrotoluene (UG/L)	0.51 U
3-Nitrotoluene (UG/L)	0.51 U
4-Amino-2,6-Dinitrotoluene (UG/L)	0.10 U
4-Nitrotoluene (UG/L)	0.51 U
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) (UG/L)	0.10 U
Nitrobenzene (UG/L)	0.10 U
Nitroglycerin (UG/L)	0.67 U
NITROGUANIDINE (UG/L)	20.0 U
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX) (UG/L)	0.10 U
Pentaerythritol Tetranitrate (UG/L)	0.67 U
Tetryl (UG/L)	0.10 U

**Equipment Blank
Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance
Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Locations:	ER-1
Field Sample ID:	076-0067-0001-ER
Sample Begin Depth:	0
Sample End Depth:	0
Sample Date:	11/15/2012
Nitrogen, Nitrate-Nitrite (Colorimetric Automated, Cadmium Reduction)	
Nitrocellulose (MG/L)	2.0 U

ATTACHMENT B

Source Water

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ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001-SOURCE WATER	070-0057-0001-SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Volatile Organic Compounds by Capillary GC/MS			
1,1,1-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (EDB) (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane (UG/L)	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (UG/L)	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane (UG/L)	1.0 U	1.0 U	1.0 U
2-Butanone (MEK) (UG/L)	10.0 U	1.2 J	10.0 U
2-Hexanone (UG/L)	10.0 U	10.0 U	10.0 U
4-Methyl-2-pentanone (MIBK) (UG/L)	10.0 U	10.0 U	10.0 U
Acetone (UG/L)	10.0 U	2.1 J	10.0 U
Benzene (UG/L)	1.0 U	1.0 U	1.0 U
Bromochloromethane (UG/L)	1.0 U	1.0 U	1.0 U
Bromodichloromethane (UG/L)	1.0 U	3.6	1.0 U
Bromoform (UG/L)	1.0 U	1.0 U	1.0 U
Bromomethane (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Disulfide (UG/L)	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (UG/L)	1.0 U	1.0 U	1.0 U
Chlorobenzene (UG/L)	1.0 U	1.0 U	1.0 U
Chloroethane (UG/L)	1.0 U	1.0 U	1.0 U
Chloroform (UG/L)	1.0 U	5.3	1.0 U
Chloromethane (UG/L)	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Dibromochloromethane (UG/L)	1.0 U	1.3	1.0 U
Ethylbenzene (UG/L)	1.0 U	1.0 U	1.0 U
tert-Butyl Methyl Ether (MTBE) (UG/L)	1.0 U	1.0 U	1.0 U
Methylene Chloride (UG/L)	1.0 U	1.0 U	1.0 U
Styrene (UG/L)	1.0 U	1.0 U	1.0 U
Tetrachloroethene (PCE) (UG/L)	1.0 U	1.0 U	1.0 U
Toluene (UG/L)	1.0 U	0.15 J	1.0 U
trans-1,3-Dichloropropene (UG/L)	1.0 U	1.0 U	1.0 U
Trichloroethene (TCE) (UG/L)	1.0 U	1.0 U	1.0 U
Vinyl Chloride (UG/L)	1.0 U	1.0 U	1.0 U
Xylenes, Total (UG/L)	2.0 U	2.0 U	2.0 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Semivolatile Organic Compounds by Capillary GC/MS			
1,2,4-Trichlorobenzene (UG/L)	0.95 U	0.95 U	0.96 U
1,2-Dichlorobenzene (UG/L)	0.95 U	0.95 U	0.96 U
1,3-Dichlorobenzene (UG/L)	0.95 U	0.95 U	0.96 U
1,4-Dichlorobenzene (UG/L)	0.95 U	0.95 U	0.96 U
2,4,5-Trichlorophenol (UG/L)	4.8 U	4.8 U	4.8 U
2,4,6-Trichlorophenol (UG/L)	4.8 U	4.8 U	4.8 U
2,4-Dichlorophenol (UG/L)	1.9 U	1.9 U	1.9 U
2,4-Dimethylphenol (UG/L)	1.9 U	1.9 U	1.9 U
2,4-Dinitrophenol (UG/L)	4.8 U	4.8 U	4.8 UJ
2,4-Dinitrotoluene (UG/L)	4.8 U	4.8 U	4.8 U
2,6-Dinitrotoluene (UG/L)	4.8 U	4.8 U	4.8 U
2-Chloronaphthalene (UG/L)	0.95 U	0.95 U	0.96 U
2-Chlorophenol (UG/L)	0.95 U	0.95 U	0.96 U
2-Methylnaphthalene (UG/L)	0.19 U	0.19 U	0.19 U
2-Methylphenol (o-Cresol) (UG/L)	0.95 U	0.95 U	0.96 U
2-Nitroaniline (UG/L)	1.9 U	1.9 U	1.9 U
2-Nitrophenol (UG/L)	1.9 U	1.9 U	1.9 U
3,3'-Dichlorobenzidine (UG/L)	4.8 U	4.8 U	4.8 U
3-Nitroaniline (UG/L)	1.9 U	1.9 U	1.9 U
4,6-Dinitro-2-Methylphenol (UG/L)	4.8 U	4.8 U	4.8 UJ
4-Bromophenyl phenyl ether (UG/L)	1.9 U	1.9 U	1.9 U
4-Chloro-3-Methylphenol (UG/L)	1.9 U	1.9 U	1.9 U
4-Chloroaniline (UG/L)	1.9 U	1.9 U	1.9 U
4-Chlorophenyl Phenyl Ether (UG/L)	1.9 U	1.9 U	1.9 U
4-Nitroaniline (UG/L)	1.9 U	1.9 U	1.9 U
4-Nitrophenol (UG/L)	4.8 U	4.8 U	4.8 U
Acenaphthene (UG/L)	0.19 U	0.19 U	0.19 U
Acenaphthylene (UG/L)	0.19 U	0.19 U	0.19 U
Anthracene (UG/L)	0.19 U	0.19 U	0.19 U
Benzo(a)anthracene (UG/L)	0.19 U	0.19 U	0.19 U
Benzo(a)pyrene (UG/L)	0.19 U	0.19 U	0.19 U
Benzo(b)fluoranthene (UG/L)	0.19 U	0.19 U	0.19 U
Benzo(g,h,i)perylene (UG/L)	0.19 U	0.19 U	0.19 U
Benzo(k)fluoranthene (UG/L)	0.19 U	0.19 U	0.19 U
Benzoic acid (UG/L)	24.0 U	24.0 U	24.0 U
Benzyl alcohol (UG/L)	4.8 U	4.8 U	4.8 U
Benzyl butyl phthalate (UG/L)	0.95 U	0.95 U	4.8 U
bis(2-Chloroethoxy) Methane (UG/L)	0.95 U	0.95 U	0.96 U
bis(2-Chloroethyl) Ether (2-Chloroethyl Ether) (UG/L)	0.95 U	0.95 U	0.96 U
bis(2-Chloroisopropyl) Ether (UG/L)	0.95 U	0.95 U	0.96 U
bis(2-Ethylhexyl) Phthalate (UG/L)	1.9 U	1.9 U	4.8 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Semivolatile Organic Compounds by Capillary GC/MS			
Carbazole (UG/L)	0.95 U	0.95 U	0.96 U
Chrysene (UG/L)	0.19 U	0.19 U	0.19 U
Cresols, m & p (UG/L)	1.9 U	1.9 U	1.9 U
Dibenz(a,h)anthracene (UG/L)	0.19 U	0.19 U	0.19 U
Dibenzofuran (UG/L)	0.95 U	0.95 U	0.96 U
Diethyl Phthalate (UG/L)	0.95 U	0.95 U	1.9 U
Dimethyl Phthalate (UG/L)	0.95 U	0.95 U	1.9 U
Di-n-Butyl Phthalate (UG/L)	0.95 U	0.95 U	4.8 U
Di-n-Octylphthalate (UG/L)	0.95 U	0.95 U	1.9 U
Fluoranthene (UG/L)	0.19 U	0.19 U	0.19 U
Fluorene (UG/L)	0.19 U	0.19 U	0.19 U
Hexachlorobenzene (UG/L)	0.19 U	0.19 U	0.19 U
Hexachlorobutadiene (UG/L)	0.95 U	0.95 U	0.96 U
Hexachlorocyclopentadiene (UG/L)	9.5 U	9.5 U	9.6 UJ
Hexachloroethane (UG/L)	0.95 U	0.95 U	0.96 U
Indeno(1,2,3-c,d)pyrene (UG/L)	0.19 U	0.19 U	0.19 U
Isophorone (UG/L)	0.95 U	0.95 U	0.96 U
Naphthalene (UG/L)	0.19 U	0.19 U	0.19 U
Nitrobenzene (UG/L)	0.95 U	0.95 U	0.96 U
n-Nitrosodi-n-propylamine (UG/L)	0.95 U	0.95 U	0.96 U
n-Nitrosodiphenylamine (UG/L)	0.95 U	0.95 U	0.96 U
Pentachlorophenol (UG/L)	4.8 U	4.8 U	4.8 U
Phenanthrene (UG/L)	0.19 U	0.19 U	0.19 U
Phenol (UG/L)	0.95 U	0.95 U	0.96 U
Pyrene (UG/L)	0.19 U	0.19 U	0.19 U

ECC

Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER
Sample Begin Depth:	0	0
Sample End Depth:	0	0
Sample Date:	12/12/2012	12/12/2012
Modified SW8015 for the Determination of Gasoline Range Organics in Soil and Water, GC/FID		
Petroleum Hydrocarbons C6-C12 (UG/L)	39.0 J	36.0 J

ECC

Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance

Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER
Sample Begin Depth:	0	0
Sample End Depth:	0	0
Sample Date:	12/12/2012	12/12/2012
Modified SW8015 for the Determination of Diesel Range Organics in Soil and Water, GC/FID		
C10-C20 Diesel Range Organics (UG/L)	480 U	480 U
C20-C34 Motor Oil Range Organics (UG/L)	480 U	480 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Trace Metals by Inductively Coupled Plasma/Mass Spectrometry			
Aluminum (UG/L)	13.0 J	30.0 U	60.0 U
Antimony (UG/L)	2.0 U	2.0 U	2.0 U
Arsenic (UG/L)	0.49 J	1.0 U	5.0 U
Barium (UG/L)	39.0	0.13 J	18.0
Beryllium (UG/L)	1.0 U	1.0 U	1.0 U
Cadmium (UG/L)	1.0 U	1.0 U	2.0 U
Calcium (UG/L)	66000	59.0 J	18000
Chromium (UG/L)	2.0 U	2.0 U	6.0 U
Cobalt (UG/L)	0.11 J	0.50 U	1.0 U
Copper (UG/L)	0.83 J	0.60 J	4.0 U
Iron (UG/L)	440	50.0 U	150 U
Lead (UG/L)	1.0 U	1.0 U	1.0 U
Magnesium (UG/L)	27000	29.0 J	31000
Manganese (UG/L)	77.0	5.0 U	10.0 U
Nickel (UG/L)	1.0 U	1.0 U	5.0 U
Potassium (UG/L)	2500	100 U	2700
Selenium (UG/L)	5.0 U	5.0 U	5.0 U
Silver (UG/L)	1.0 U	1.0 U	1.0 U
Sodium (UG/L)	35000	1600	43000
Thallium (UG/L)	1.0 U	1.0 U	2.0 U
Vanadium (UG/L)	1.0 U	1.0 U	5.0 U
Zinc (UG/L)	18.0	5.0 U	50.0 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Mercury in Water (Manual Cold-Vapor Technique)			
Mercury (UG/L)	0.20 U	0.20 U	0.20 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Polychlorinated Biphenyls (PCB) by Capillary GC			
PCB-1016 (Arochlor 1016) (UG/L)	0.48 U	0.48 U	0.48 UJ
PCB-1221 (Arochlor 1221) (UG/L)	0.48 U	0.48 U	0.48 UJ
PCB-1232 (Arochlor 1232) (UG/L)	0.48 U	0.48 U	0.48 UJ
PCB-1242 (Arochlor 1242) (UG/L)	0.48 U	0.48 U	0.48 UJ
PCB-1248 (Arochlor 1248) (UG/L)	0.48 U	0.48 U	0.48 UJ
PCB-1254 (Arochlor 1254) (UG/L)	0.48 U	0.48 U	0.48 UJ
PCB-1260 (Arochlor 1260) (UG/L)	0.48 U	0.48 U	0.48 UJ

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Organochlorine Pesticides by Capillary GC			
Aldrin (UG/L)	0.048 U	0.048 U	0.048 U
alpha-BHC (alpha-Hexachlorocyclohexane) (UG/L)	0.048 U	0.048 U	0.048 U
alpha-Chlordane (UG/L)	0.048 U	0.048 U	0.048 U
alpha-Endosulfan (UG/L)	0.048 U	0.048 U	0.048 U
beta-BHC (beta-Hexachlorocyclohexane) (UG/L)	0.048 U	0.048 U	0.048 U
beta-Endosulfan (UG/L)	0.048 U	0.048 U	0.048 UJ
delta-BHC (delta-Hexachlorocyclohexane) (UG/L)	0.048 U	0.048 U	0.048 UJ
Dieldrin (UG/L)	0.048 U	0.048 U	0.048 U
Endosulfan Sulfate (UG/L)	0.048 U	0.048 U	0.048 U
Endrin (UG/L)	0.048 U	0.048 U	0.048 UJ
Endrin Aldehyde (UG/L)	0.048 U	0.048 U	0.048 U
Endrin Ketone (UG/L)	0.048 U	0.048 U	0.048 U
gamma-BHC (Lindane) (UG/L)	0.048 U	0.048 U	0.048 U
gamma-Chlordane (UG/L)	0.048 U	0.048 U	0.048 U
Heptachlor (UG/L)	0.048 U	0.048 U	0.048 UJ
Heptachlor Epoxide (UG/L)	0.048 U	0.048 U	0.048 U
Methoxychlor (UG/L)	0.095 U	0.095 U	0.096 UJ
p,p'-DDD (UG/L)	0.048 U	0.048 U	0.048 U
p,p'-DDE (UG/L)	0.048 U	0.048 U	0.048 U
p,p'-DDT (UG/L)	0.048 U	0.048 U	0.048 U
Toxaphene (UG/L)	1.9 U	1.9 U	1.9 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER
Sample Begin Depth:	0	0
Sample End Depth:	0	0
Sample Date:	12/12/2012	12/12/2012
Chlorinated Herbicides by GC Using Methylation or Pentafluorobenzoylation Derivatization: Capillary Column Technique		
2,4 DB (UG/L)	4.0 U	4.0 U
2,4,5-T (Trichlorophenoxyacetic Acid) (UG/L)	1.0 U	1.0 U
2,4-D (Dichlorophenoxyacetic Acid) (UG/L)	4.0 U	4.0 U
Dalapon (UG/L)	2.0 U	2.0 U
Dicamba (UG/L)	2.0 U	2.0 U
Dichloroprop (UG/L)	4.0 U	4.0 U
Dinoseb (UG/L)	0.60 U	0.60 U
MCPA (UG/L)	400 U	400 U
MCPP (UG/L)	400 U	400 U
Pentachlorophenol (UG/L)	0.10 U	0.10 U
Silvex (2,4,5-TP) (UG/L)	1.0 U	1.0 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001-SOURCE WATER	070-0057-0001-SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Nitroaromatics and Nitramines by HPLC			
1,3,5-Trinitrobenzene (UG/L)	0.10 U	0.099 U	0.11 U
1,3-Dinitrobenzene (UG/L)	0.10 U	0.099 U	0.11 U
2,4,6-Trinitrotoluene (UG/L)	0.10 U	0.099 U	0.11 U
2,4-Dinitrotoluene (UG/L)	0.10 U	0.099 U	0.11 U
2,6-Dinitrotoluene (UG/L)	0.10 U	0.099 U	0.11 U
2-Amino-4,6-dinitrotoluene (UG/L)	0.20 U	0.20 U	0.21 U
2-Nitrotoluene (UG/L)	0.50 U	0.49 U	0.53 U
3-Nitrotoluene (UG/L)	0.50 U	0.49 U	0.53 U
4-Amino-2,6-Dinitrotoluene (UG/L)	0.10 U	0.099 U	0.11 U
4-Nitrotoluene (UG/L)	0.50 U	0.49 U	0.53 U
Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) (UG/L)	0.10 U	0.099 U	0.11 U
Nitrobenzene (UG/L)	0.10 U	0.099 U	0.11 U
Nitroglycerin (UG/L)	0.65 U	0.64 U	0.69 U
NITROGUANIDINE (UG/L)	20.0 U	20.0 U	20.0 UJ
Octahydro-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocine (HMX) (UG/L)	0.10 U	0.099 U	0.11 U
Pentaerythritol Tetranitrate (UG/L)	0.65 U	0.64 U	0.69 U
Tetryl (UG/L)	0.10 U	0.099 U	0.11 U

ECC**Chemistry Results**

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012

Ravenna Army Ammunition Plant

Locations:	SorW-1	SorW-2	SorW-4
Field Sample ID:	070-0056-0001- SOURCE WATER	070-0057-0001- SOURCE WATER	079SB-0385-0001-SW
Sample Begin Depth:	0	0	0
Sample End Depth:	0	0	0
Sample Date:	12/12/2012	12/12/2012	04/10/2015
Nitrogen, Nitrate-Nitrite (Colorimetric Automated, Cadmium Reduction)			
Nitrocellulose (MG/L)	2.0 U	2.0 U	2.0 U

Chemistry Results

Ravenna Army Ammunition Plant, Quality Assurance Project Plan, Oct. 3, 2012
Ravenna Army Ammunition Plant

Detects are displayed in bold font

Data Qualifier Definitions

J - The analyte was positively identified, but the associated numerical value is estimated and represents the approximate concentration of the analyte in the sample.

U - The analyte was not detected above the reported sample quantitation limit.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate.

R - Sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. Presence or absence of the analyte cannot be verified.

Units

MG/L = milligram per liter

UG/L = microgram per liter