REMEDIAL INVESTIGATION: GROUNDWATER MONITORING, SURFACE WATER AND SEDIMENTS, AND COVER SOIL STUDY

Task Order 198DP-8
NONCD0000198 – Otway Community Refuse Dump
Otway, Carteret County, NC

Prepared for:
North Carolina Department of Environment and Natural Resources
Division of Waste Management
Superfund Section
Inactive Hazardous Sites Branch
Pre-Regulatory Landfill Unit
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State Contract N10002S

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1.0 Introduction

This report describes investigation activities performed at the Otway Community Refuse Dump (NONCD0000198) as authorized by the North Carolina Division of Waste Management, Pre-Regulatory Landfill Unit (the Unit) in their approval letter dated September 3, 2015 The work was performed in general accordance with WithersRavenel's (WR's) *Task Orders 198DP-7 and 198DP-8 Cost Proposal*, dated August 18, 2015.

The Unit's intended goals for this stage of the investigation were to perform ***"…sampling and analysis of permanent groundwater monitoring well waters, surface-water and sediments, and cover soil at the site."***

Modified Tasks

The approved Work Plan stipulated that where the soil cover appeared to be greater than, or equal to, two feet thick (≥ 2 feet) at the node location, WR personnel would collect augered soil samples at approximately six inches below the ground surface (BGS) and at approximately 18 inches BGS. However, during the advancement of cover soil borings, water was encountered at approximately 12 inches BGS. Therefore, soil samples were not collected from the 18-inch interval in any of the cover soil borings.

2.0 Groundwater Sampling

On November 16, 2015, WR personnel mobilized to the site to sample four existing groundwater monitoring wells (MW-1 through MW-4) as depicted on **Figure 1, Site Map**. **Table 1** presents the historical **Groundwater Monitoring Well Construction Details**. Prior to sample collection, an electronic water level indicator was used to record the depth to static groundwater from the top of casing (TOC) in each well. After recording the depth-to-water measurements, each well was then purged via low-flow methods using a peristaltic pump and virgin polyethylene tubing at a flow rate that resulted in minimal drawdown of the water table. Field parameters, including dissolved oxygen (DO), temperature (^{O}F), conductivity, pH, oxidation reduction potential (ORP), and turbidity were recorded every three minutes during purging activities**. Table 2, Field Parameter Results** summarizes the stable field parameters recorded for each well. Groundwater sampling purge forms with recorded field parameters are included in **Appendix A, Field Documents and Records**. Once field parameters were deemed stable, as determined by less than 10% variance in any two readings, WR personnel collected groundwater samples into laboratory-provided containers. Samples were immediately placed on ice in coolers to maintain them to approximately 4º C. Purge water generated during sampling activities was discharged to the ground immediately down-gradient of the well.

Four groundwater samples, and one "blind duplicate" sample collected from monitoring well MW-2, were shipped under standard Chain-of-Custody protocol to Environmental Science Corporation Lab Sciences (ESC), of Mt Juliet, TN, a State of North Carolina-certified analytical laboratory for analysis of the following constituents:

- Volatile organic compounds (VOCs) via EPA Test Method 8260B;
- 1,4-Dioxane via EPA Test Method 8260SIM;
- Semivolatile organic compounds (SVOCs) via EPA Test Method 8270C;
- 14 Metals via EPA Test Method 6020;
- Mercury via EPA Test Method 7471;
- Ammonia via SM4500;
- Nitrates via EPA Test Method 300; and
- Sulfates via EPA Test Method 300.

In addition, a trip blank sample was also submitted with the groundwater samples for laboratory analysis of VOCs only.

3.0 Groundwater Flow Direction

An arbitrary datum of 100 feet was established on the manhole at MW-2. Depth to static groundwater levels were recorded on November 16, 2015 and were subtracted from the arbitrary TOC elevations to result in groundwater surface elevations reported on **Table 1**. **Figure 2** depicts a **Groundwater Table Contour Map** established by contouring the calculated groundwater surface elevation values. Analysis of the groundwater contour intervals indicates a northerly groundwater flow.

4.0 Groundwater Sampling Analytical Results

Groundwater sample analytical results were compared to their respective *North Carolina Groundwater Quality Standards* as listed in 15A NCAC 2L (2L Standards). Target concentrations that were equal to, or exceeding, their respective 2L Standard included:

Sample ID	Contaminant(s)	Concentration (µg/L)	2L Standards (µg/L)
MW-1	Ammonia	12,900	1,500
	Iron	67,200	300
	Manganese	604	50
MW-2	Iron	506	300
MW-3	Ammonia	8,310	1,500
	Iron	56,800	300
	Manganese	428	50
MW-4	Ammonia	1,570	1,500
	Iron	13,200	300
	Manganese	64.3	50

Table 3, Groundwater Sample Analytical Results (Detections Only) summarizes the detections for the target constituents included within each analytical method compared to their respective Regulatory Standards. **Figure 3, Groundwater Sampling Locations with Analytical Results** illustrates the location of groundwater samples that contained contaminant concentrations that exceeded their respective Regulatory Standards. A copy

of the laboratory analytical report has been included in **Appendix C, Laboratory Reports**.

5.0 Surface Water and Sediment Sampling

Two surface water samples (SW-3 and SW-4) and two sediment samples (SD-3 and SD-4) were collected and submitted for analytical review. The surface water samples were collected by dipping a laboratory-cleaned and -provided one-liter container into the pond and then decanting the samples into the proper laboratory-supplied containers. The sediment samples were collected with a properly-decontaminated, stainless-steel hand auger and were immediately placed into re-sealable plastic sample bags prior to ultimate transfer to laboratory-supplied containers. All sampling equipment was decontaminated between sampling locations. Two surface water samples and one "blind duplicate" surface water sample, plus two sediment samples and one "blind duplicate" sediment sample, were placed into a cooler containing ice, and transported under standard Chain-of-Custody protocol to ESC for analyses of the same constituents listed above in Section 2. In addition, a trip blank sample was also submitted with the surface water samples for laboratory analysis of VOCs only.

Surface Water Sampling Results

Surface water sample results were compared to the *Water Quality Standards Applicable to the Surface Waters and Wetlands of North Carolina* as listed in 15A NCAC 2B ("the 2B Standards") or if there was no 2B Standard, the 2L Standards (aka referenced Regulatory Standards). None of the surface water target analytes were reported at concentrations that exceeded their respective Regulatory Standards

Sediment Sampling Results

The table below presents contaminants reported at concentrations above their respective Inactive Hazardous Sites Branch (IHSB) Preliminary Soil Remediation Goals (PSRGs) for Residential Health (RH) and PSRGs for the Protection of Groundwater (PSRGs-GW).

Contaminant(s)	Concentration (mg/Kg)		PSRG-RH (mg/Kg)	PSRG-GW (mg/Kg)
	SD-3	SD-4		
Chromium	2.40	2.19	0.300	3.8
Iron	1,060	659	11,000	150

Table 4, **Sediment Sample Analytical Results (Detections Only)** and **Table 5, Surface Water Sample Analytical Results (Detections Only)** summarizes the detections for the target constituents included within each analytical method compared to their respective Regulatory Standards. **Figure 4, Sediment and Surface Water Sampling Location Map** depicts the surface water and sediment sampling locations and summarizes constituents that were detected at concentrations that exceeded their respective applicable regulatory standard. A copy of the laboratory analytical report has been included in **Appendix C**.

6.0 Cover Soil Sampling

The soil sample locations were selected in accordance with the sampling grid proposed in the approved Work Plan. All borings were advanced using a properly decontaminated, 2-inch diameter, stainless-steel hand auger. Cover materials encountered were described as "Orange/brown to black sandy clays". Soil samples from the six-inch interval were collected from borings SB-31 through SB-37. Due to the presence of groundwater located approximately 12 inches BGS, soil samples were not collected from the 18-inch interval. Abandonment was accomplished by returning the unused soil cuttings to their respective borehole and tamping the backfill. Photocopies of field notes recorded during the activities are presented in **Appendix A**, Soil sample GPS coordinates are presented in **Appendix B**, **Summary of GPS Data.**

The soil samples were immediately placed into re-sealable plastic sample bags prior to ultimate transfer to laboratory-supplied containers. Five soil samples and one "blind duplicate" sample were placed into a cooler containing ice, and transported under standard Chain-of-Custody protocol to ESC for analyses of the same constituents listed above in Section 2. In addition, a trip blank sample was also submitted with the soil samples for laboratory analysis of VOCs only.

<u>Soil Sample Results</u>

Soil constituent concentrations were compared to the IHSB PSRG-RH and PSRG-GW Standards. Contaminants of interest were identified above the referenced Standards within the following concentration range:

- Chromium (total) 1.95 to 4.23 mg/Kg
- Iron 982 to 1,720 mg/Kg

Table 6, **Soil Sample Analytical Results (Detections Only)** summarizes the analytical detections for the constituents included within each analytical method compared to their respective Regulatory Standards. **Figure 5**, **Soil Sampling Location with Analytical Results** summarizes constituents that were detected at concentrations that exceeded their respective applicable Regulatory Standard.

Soil samples collected from soil borings were also analyzed for asbestos via EPA Test Method 600/R-93116. As shown on **Table 6,** asbestos was not detected in the seven samples submitted for analysis. Note that asbestos is not included on **Figure 5**. A copy of the EMSL Laboratory Analytical Report has been included in **Appendix C**.

7.0 Quality Assurance Discussion

This assessment was generally conducted under those Quality Assurance/Quality Control (QA/QC) protocols outlined in the IHSB Program *Guidelines for Addressing Pre-Regulatory Landfills & Dumps, Appendix C, Standard Field Protocols,* dated December 2013, as outlined below:

Media duplicate samples were collected from locations designated SB-34 (6 inches BGS) SD-3, SW-4 and MW-2, and submitted for laboratory analysis. The accompanying Trip Blank for the shipment was dated November 16, 2015.

The laboratory reported that all samples submitted under Task Order 198DP-7 were received in acceptable condition and within the appropriate holding times. Samples were processed in accordance with previously-referenced methods. WR personnel observed no reportable QA/QC issues associated with the analytical procedures conducted in association with this Report; however, those technical issues considered relevant by the laboratory have been included in the Laboratory Report – QA/QC Data Review form placed as a cover sheet upon the laboratory analytical report included in **Appendix C**.

8.0 Certification

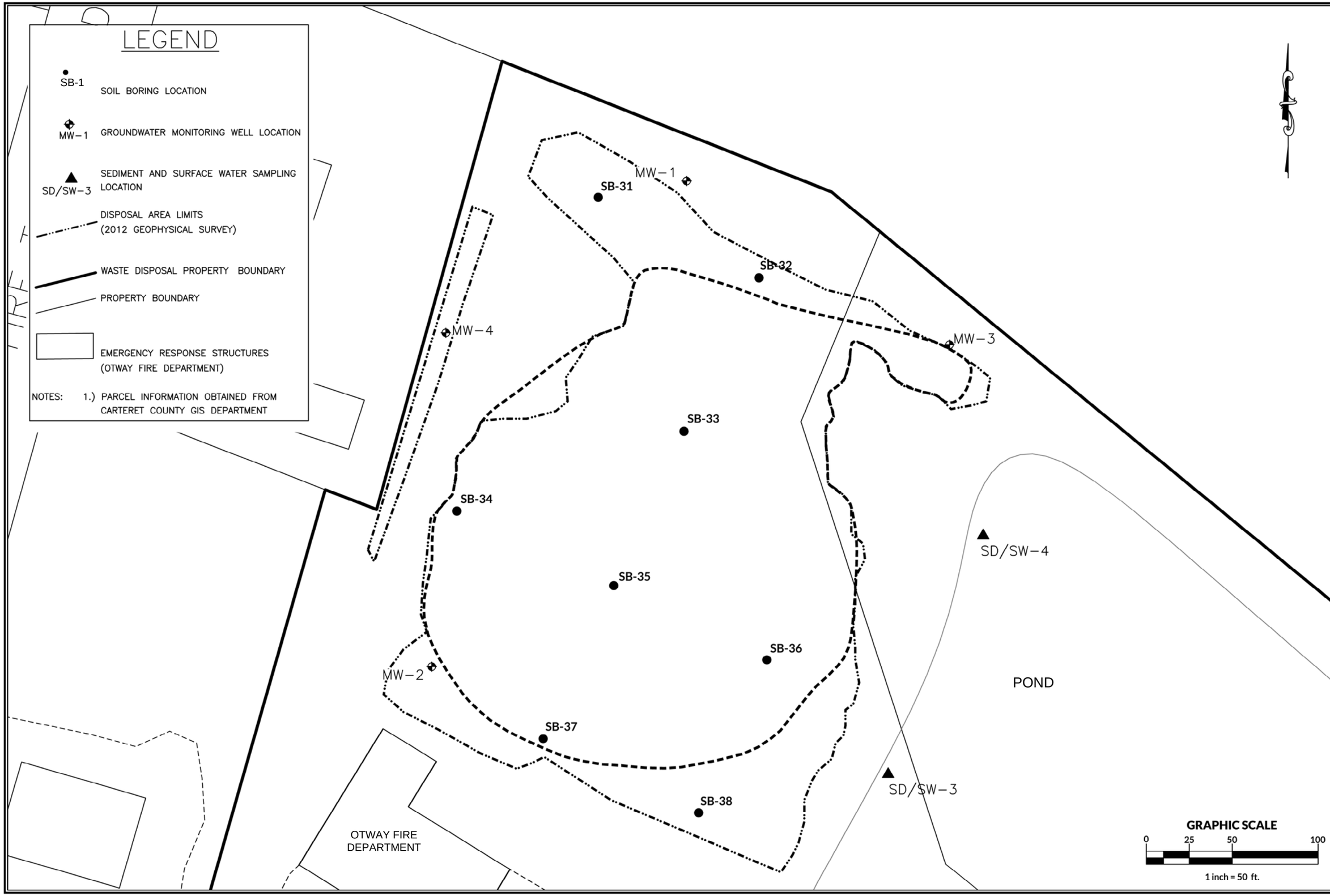
This report has been prepared as outlined in the Unit's *RFP of Task Order 198DP-7 & 198DP-8 Groundwater Monitoring, Surface-water & Sediments, and Cover Soil Study*, dated August 7, 2015, and in keeping with direction supplied by the Unit through issuance of investigation and reporting guidelines, and communication with the Unit staff members during performance of requested activities. Questions regarding the information in this report and any related conclusions should be directed to the Unit staff. I certify that, to the best of my knowledge after thorough investigation, the information contained in or accompanying this report is true, accurate, and complete.

WITHERS & RAVENEL, INC.

___ ____

Mark Brown, LG, PG, RSM
Senior Geologist
Senior Project Manager

FIGURES



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SITE MAP

OTWAY COMMUNITY DUMP
NONCD0000198
INTERSECTION OF FIRE TOWER ROAD AND US HWY 70
OTWAY, CARTERET COUNTY, NC

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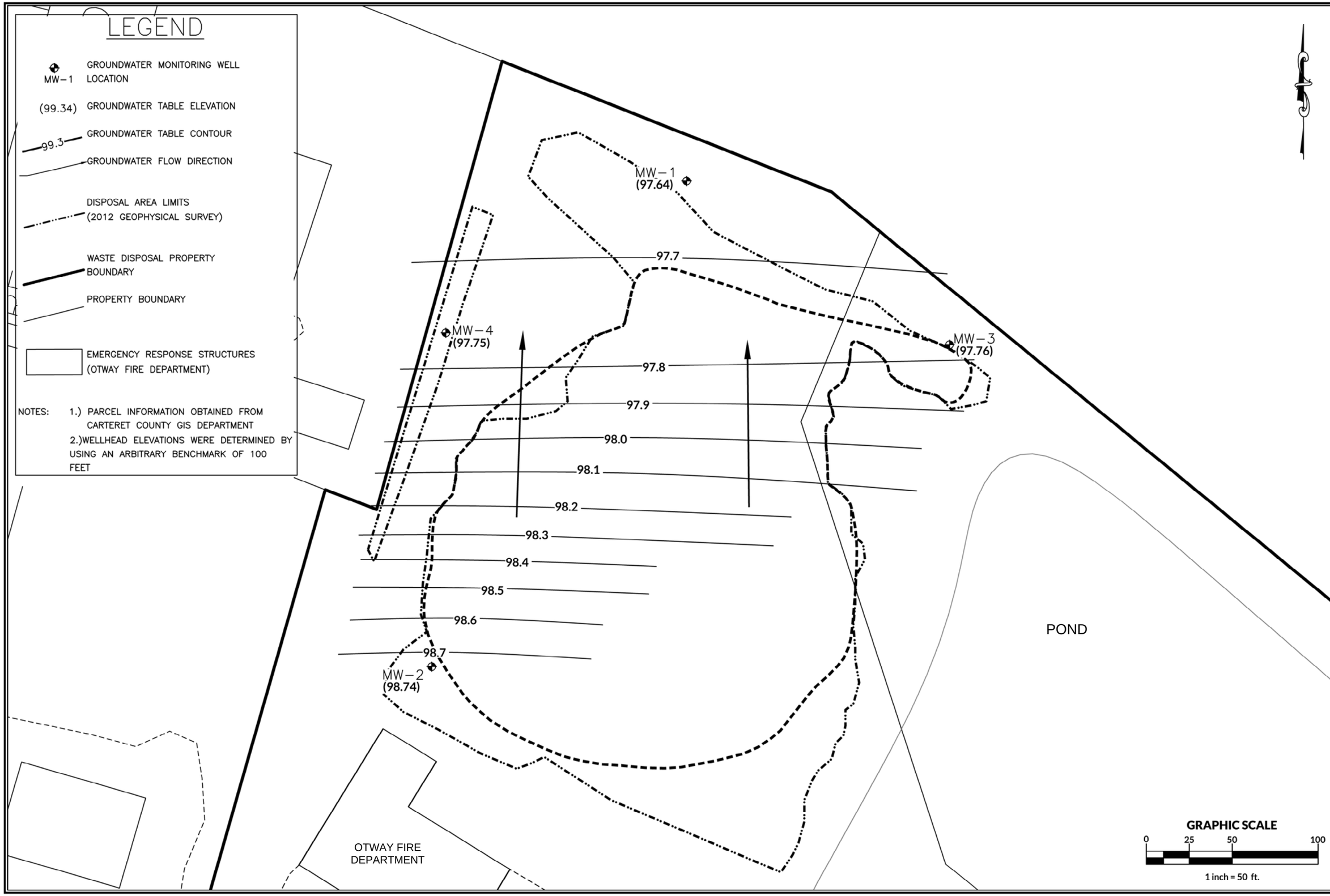

FIGURE NO.: 2
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DATE: 12/21/15

GROUNDWATER TABLE CONTOUR MAP

OTWAY COMMUNITY DUMP
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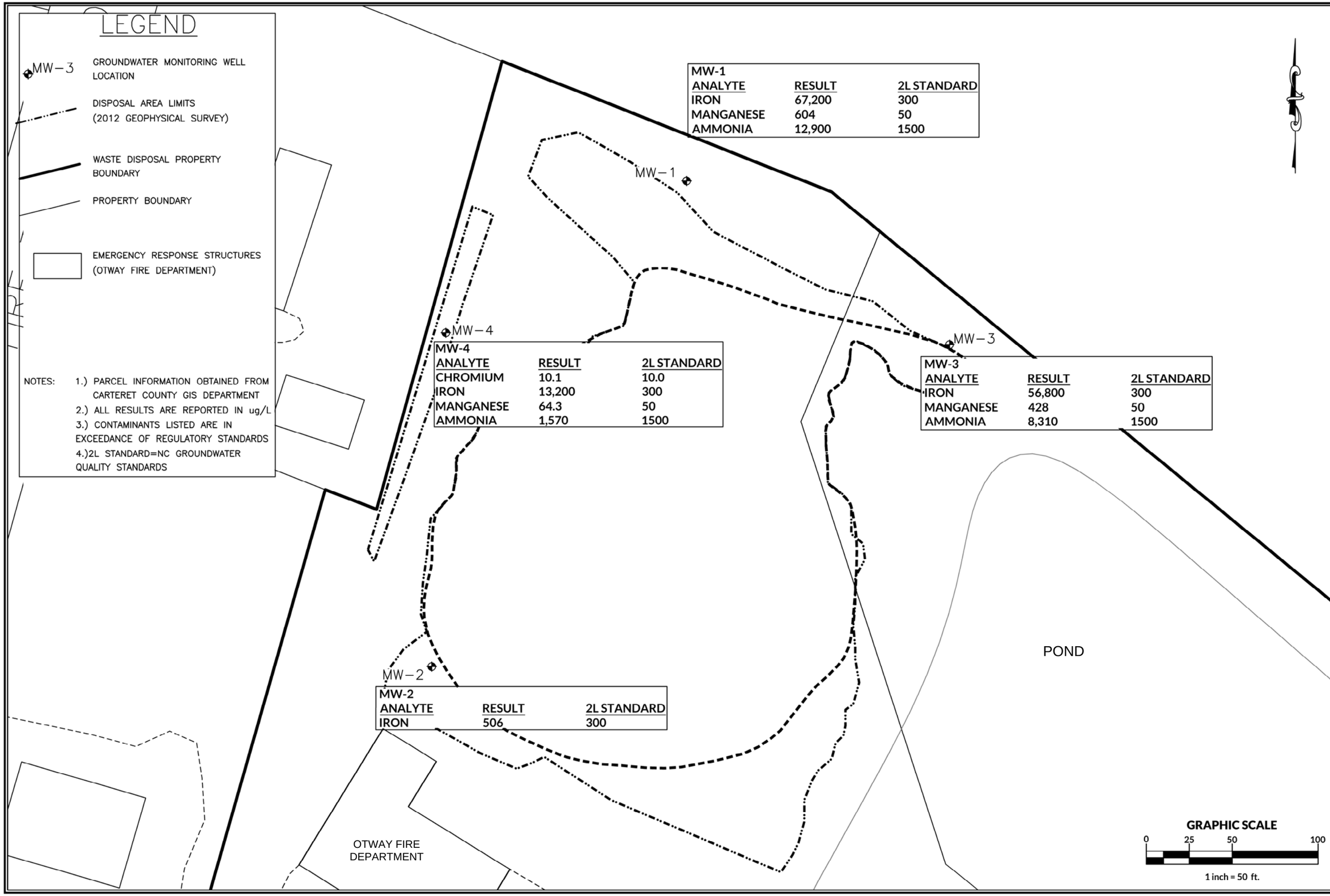

FIGURE NO.: 5
PROJECT NO.: 02100001.21
SCALE: 1"=50'
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APPROVED BY: MB

GROUNDWATER SAMPLING LOCATIONS WITH ANALYTICAL RESULTS

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LEGEND

- ▲ SAMPLING LOCATION
- SD–4 SEDIMENT SAMPLE IDENTIFICATION
- SW–4 SURFACE WATER SAMPLE INDENTIFICATION
- DISPOSAL AREA LIMITS (2012 GEOPHYSICAL SURVEY)
- WASTE DISPOSAL PROPERTY BOUNDARY
- PROPERTY BOUNDARY
- EMERGENCY RESPONSE STRUCTURES (OTWAY FIRE DEPARTMENT)

NOTES:

1.) CONTAMINANTS LISTED ARE IN EXCEEDANCE OF REGULATORY STANDARDS.
2.) 2L STANDARD = NC GROUNDWATER QUALITY STANDARDS
3.) 2B STANDARD = NC SURFACE WATER QUALITY STANDARDS
4.) PSRGs–RH = IHSB PRELIMINARY SOIL REMEDIATION GOALS RESIDENTIAL HEALTH BASED
5.) PSRGs–GW = IHSB PRELIMINARY SOIL REMEDIATION GOALS PROTECTIVE OF GROUNDWATER

SD-4

ANALYTE	RESULTS (in mg/kg)	RH PSRG	PGW PSRG
CHROMIUM	2.19	0.300	3.80
IRON	659	11,000	150

SW-4
ALL ANALYTES WERE REPORTED BELOW THEIR RESPECTIVE REGULATORY STANDARDS

SD/SW–4

SD-3

ANALYTE	RESULTS (in mg/kg)	RH PSRG	PGW PSRG
CHROMIUM	2.40	0.300	3.80
IRON	1,060	11,000	150

POND

SW-3
ALL ANALYTES WERE REPORTED BELOW THEIR RESPECTIVE REGULATORY STANDARDS

SD/SW–3

OTWAY FIRE DEPARTMENT

GRAPHIC SCALE
0 25 50 100
1 inch = 50 ft.

FIGURE NO.:	4
SCALE:	1"=50'
PROJECT NO.:	02100001.21
DRAWN BY:	CF
DATE:	12/21/15
APPROVED BY:	MB

SEDIMENT AND SURFACE WATER SAMPLE LOCATIONS WITH ANALYTICAL RESULTS

OTWAY COMMUNITY DUMP
NONCD0000198
INTERSECTION OF FIRE TOWER ROAD AND US HWY 70
OTWAY, CARTERET COUNTY, NC

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LEGEND

SB-1 — SOIL BORING LOCATION

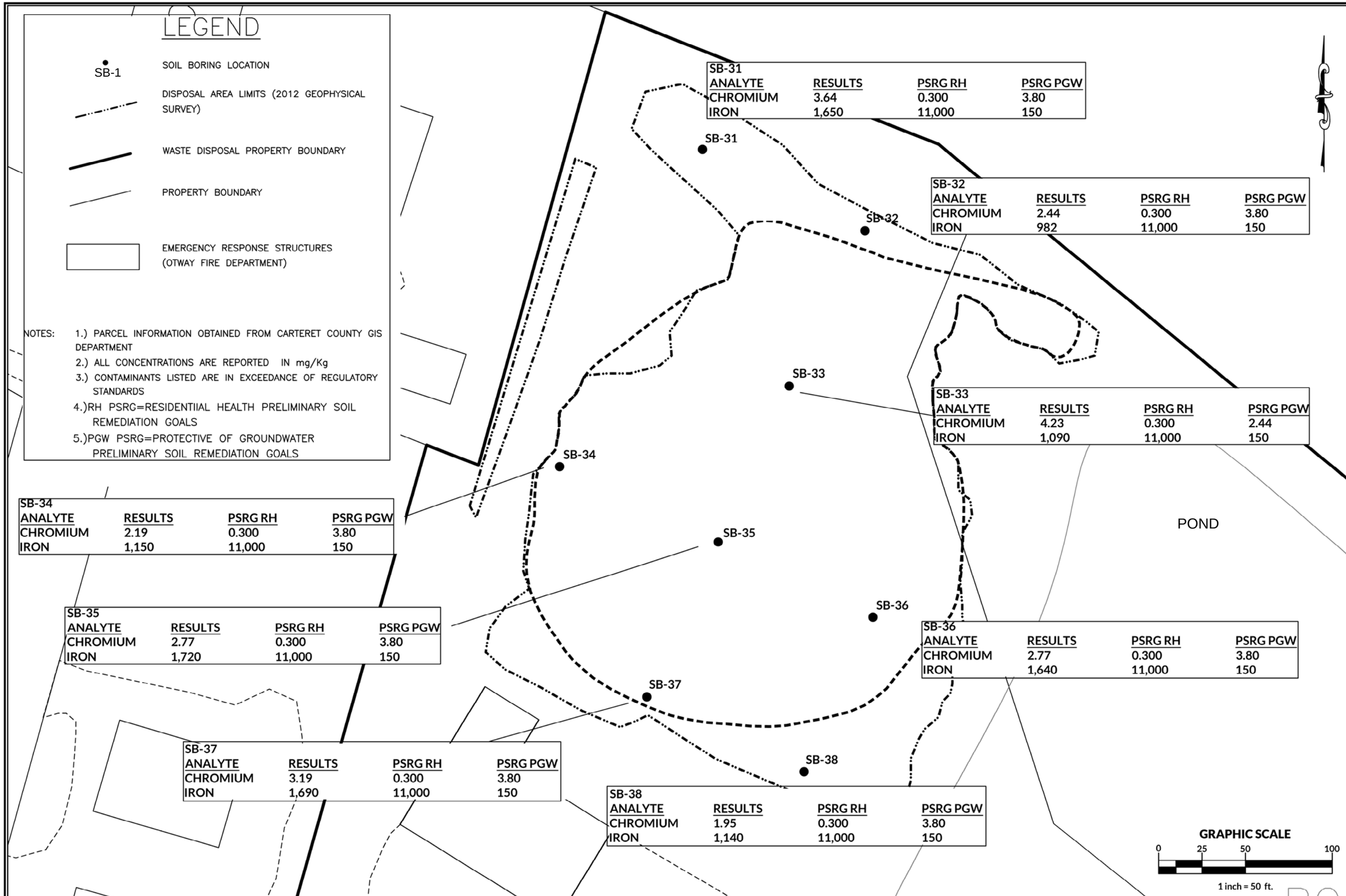
DISPOSAL AREA LIMITS (2012 GEOPHYSICAL SURVEY)

WASTE DISPOSAL PROPERTY BOUNDARY

PROPERTY BOUNDARY

EMERGENCY RESPONSE STRUCTURES (OTWAY FIRE DEPARTMENT)

NOTES:
1.) PARCEL INFORMATION OBTAINED FROM CARTERET COUNTY GIS DEPARTMENT
2.) ALL CONCENTRATIONS ARE REPORTED IN mg/Kg
3.) CONTAMINANTS LISTED ARE IN EXCEEDANCE OF REGULATORY STANDARDS
4.)RH PSRG=RESIDENTIIAL HEALTH PRELIMINARY SOIL REMEDIATION GOALS
5.)PGW PSRG=PROTECTIVE OF GROUNDWATER PRELIMINARY SOIL REMEDIATION GOALS



SB-31

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	3.64	0.300	3.80
IRON	1,650	11,000	150

SB-32

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	2.44	0.300	3.80
IRON	982	11,000	150

SB-33

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	4.23	0.300	2.44
IRON	1,090	11,000	150

SB-34

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	2.19	0.300	3.80
IRON	1,150	11,000	150

SB-35

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	2.77	0.300	3.80
IRON	1,720	11,000	150

SB-36

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	2.77	0.300	3.80
IRON	1,640	11,000	150

SB-37

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	3.19	0.300	3.80
IRON	1,690	11,000	150

SB-38

ANALYTE	RESULTS	PSRG RH	PSRG PGW
CHROMIUM	1.95	0.300	3.80
IRON	1,140	11,000	150

FIGURE NO.: 5
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SCALE: 1"=50'
DATE: 12/21/15
DRAWN BY: CF
APPROVED BY: MB

SOIL SAMPLING LOCATIONS WITH ANALYTICAL RESULTS

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TABLES

Table 1
Groundwater Monitoring Well Construction Details
Otway Community Refuse Dump-NONCD0000198
Otway, Carteret County, NC

Well Designation	Latitude	Longitude	Ground Surface Elevation (Based on Arbitrary Benchmark (100 ft.))	TOC Elevation (Based on Arbitrary Benchmark (100 ft.))	Depth to Water on 11/16/15 (Below TOC)	Water Eelvation (Based on Arbitrary Benchmark (100 ft.))	Well Depth (ft BLS)	Screen Interval (ft BLS)		
MW-1	34.77722	-76.55660	98.93	98.73	1.09	97.64	11	1	To	11
MW-2	34.77646	-76.55712	100.19	100.00	1.26	98.74	6	1	To	6
MW-3	34.77695	-76.55610	98.92	98.67	0.91	97.76	10	1	To	10
MW-4	34.77698	-76.55707	99.34	99.23	1.48	97.75	6	1	To	5

Notes:
ft = Feet
TOC = Top of Casing
BLS = Below Land Surface
Longitude and Latitude Coordinates are Displayed in NC State Plane NAD 1983 Survey Feet

Table 2
Field Parameters Results
Otway Community Refuse Dump-NONCD0000198
Otway, Carteret County, NC

Well Designation	Dissolved Oxygen (mg/L)	Temperature (ºC)	Conductivity (µS/cm)	pH (standard)	Oxidation Reduction Potential (mV)	Turbidity (NTU)
MW-1	0.47	20.27	1320	6.10	-24.6	1.65
MW-2	1.04	19.90	665	6.90	122.0	6.1
MW-3	0.66	20.02	1102	6.10	-56.8	4.97
MW-4	0.22	20.60	424	5.64	-3.9	6.3

Notes:
Parameters were recorded once readings stabilized (<10% variance between sequential readings).
mg/L = Milligrams per Liter
ºC = Degrees Celcius
µS/cm = MicroSiemens per Centimeter
mV = Millivolts
NTU = Nephelometric Turbidity Units
NM=Not Measured

Table 3
Groundwater Sample Analytical Results (Detections Only)
Otway Community Refuse Dump-NONCD0000198
Otway, Carteret County, NC

Sample ID	**Regulatory Standards**	MW-1		MW-2		Duplicate-Water		MW-3		MW-4		TRIP BLANK	
Collection Date		11/16/115		11/16/115		11/16/115		11/16/115		11/16/115		4/2/2015	
Comment		Groundwater Sample		Groundwater Sample		Duplicate of MW-2		Groundwater Sample		Groundwater Sample		Aqueous Sample	
Parameter	**2L Standards (ug/L)**	Result (ug/L)	Qual	Result (ug/L)	Qual	Result (ug/L)	Qual	Result (ug/L)	Qual	Result (ug/L)	Qual	Result (ug/L)	Qual
VOCs by EPA Method 8260B													
None of the target analytes were detected at concentrations above their respective Laboratory Method Detection Limits (MDLs).													
1,4 Dioxane by GC/MS (SIM)													
The target analyte was not detected at concentrations above its Laboratory MDLs.													
SVOCs by EPA Method 8270D													
Acenaphthene	80	1.63		ND		ND		ND		ND		NA	
Metals by EPA Method 6020A/7471B													
Arsenic	10	2.13		ND		ND		ND		6.91		NA	
Chromium	10	ND		ND		ND		2.83		**10.1**		NA	
Copper	1,000	ND		15.5		8.76		ND		ND		NA	
Iron	300	**67,200**		**506**		**413**		**56,800**		**13,200**		NA	
Lead	15	2.45		2.21		3.07		ND		ND		NA	
Manganese	50.0	**604**		9.36		13.9		**428**		**64.3**		NA	
Nickel	100	ND		ND		ND		4.59		ND		NA	
Zinc	1,000	ND		ND		ND		37.6		ND		NA	
Nitrogen & Sulfate by EPA Method 9056A													
Nitrogen, Ammonia	1,500*	**12,900**		399		423		**8,310**		**1,570**		NA	
Nitrogen, Nitrate	10,000	ND		497		382		ND		ND		NA	
Sulfate	250,000	ND		9,200		10,300		ND		14,200		NA	

Notes:
Sample results presented in micrograms per liter (ug/L)
Results depicted in **BOLD** represent an exceedance to the 2L Standards
2L Standards = NC Groundwater Quality Standards listed in 15A NCAC 02L .0202
* = Interim Maximum Allowable Concentrations (IMACs)
NA = Not Analyzed
ND = Compound Not Detected
NE = Standard Not Established
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds

Table 4
Sediment Sample Analytical Results (Detections Only)
Otway Community Dump-NONCD0000198
Otway, Carteret County, NC

Sample ID	**IHSB Standard**		SD-3		SD-4		SD-Dup		TRIP BLANK	
Collection Date			11/16/2015		11/16/2015		Duplicate of SD-4		11/16/2015	
Comment			Sediment Sample		Sediment Sample		Sediment Sample		Aqueous Sample	
Parameter	**RH PSRG (mg/Kg)**	**PGW PSRG (mg/Kg)**	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (ug/L)	Qual
VOCs by EPA Method 8260B										
None of the target analytes were detected at concentrations above their respective Laboratory Method Detection Limits (MDLs).										
1,4 Dioxane by GC/MS (SIM)										
The target analyte was not detected at concentrations above its Laboratory MDLs.										
SVOCs by EPA Method 8270D										
None of the target analytes were detected at concentrations above their respective Laboratory MDLs.									NA	
Metals by EPA Method 6020A/7471B										
Chromium	0.300	3.8	**2.40**		**2.19**		**1.44**		NA	
Iron	11,000	150	**1,060**		**659**		**374**		NA	
Lead	400	270	1.26		2.14		2.01		NA	
Manganese	360	65	2.59		1.98		ND		NA	
Nickel	300	130	0.865		ND		ND		NA	
Nitrogen & Sulfate by EPA Method 9056A										
None of the target analytes were detected at concentrations above their respective Laboratory MDLs.										

Notes:
Results in **BOLD** Represent an Exceedance in the Applicable Regulatory Standards
IHSB = Inactive Hazardous Sites Branch
PSRG = Preliminary Soil Remediation Goals
RH = Residential Health
PGW = Protection of Groundwater
mg/Kg = Milligrams per Kilogram (PPM)
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
NL = Not Listed
ND = Compound Not Detected
NA = Not Analyzed

Table 5
Surface water Analytical Results (Detections Only)
Otway Community Dump-NONCD0000198
Otway, Carteret County, NC

Sample ID			SW-3		SW-DUP		SW-4		TRIP BLANK	
Collection Date			11/16/2015		Duplicate of SW-3		11/16/2015		10/28/2015	
Comment			Aqueous Sample		Aqueous Sample		Duplicate of		Aqueous Sample	
Parameter	**2L Standards**	**2B Standards**	Result (ug/L)	Qual	Result (ug/L)	Qual	Result (ug/L)	Qual	Result (ug/L)	Qual
VOCs by EPA Method 8260B										
None of the target analytes were detected at concentrations above their respective Laboratory Method Detection Limits (MDLs).										
1,4 Dioxane by GC/MS (8260SIM)										
The target analyte was not detected at concentrations above its Laboratory MDLs.									NA	
SVOCs by EPA Method 8270D										
None of the target analytes were detected at concentrations above their respective Laboratory MDLs.									NA	
Metals by EPA Method 6020A/7471B										
None of the target analytes were detected at concentrations above their respective Laboratory MDLs.									NA	
Nitrogen & Sulfate by EPA Method 9056A										
None of the target analytes were detected at concentrations above their respective Laboratory MDLs.									NA	

Notes:
2L Standards = 15A NCAC 02L .0202 NC Groundwater Standards
2B Standards = 15A NCAC 02B .0300 Water Quality Standards Applicable to the Surface Waters and Wetlands of NC
Results in **BOLD** Represent an Exceedance in the Applicable Regulatory Standards
* = Interim Maximum Allowable Concentrations (IMACs)
NA = Not Analyzed
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds

Table 6
Soil Sample Analytical Results (Detections Only)
Otway Community Refuse Dump-NONCD0000198
Otway, Carteret County, NC

Sample ID	**IHSB Standard**		SB-31		SB-32		SB-33		SB-34		Duplicate-Soil		SB-35		SB-36		SB-37		SB-38		Trip Blank	
Collection Date			11/16/2015		11/16/2015		11/16/2015		11/16/2015		11/16/2015		11/16/2015		11/16/2015		11/16/2015		11/16/2015		11/16/2015	
Comment			Soil Sample		Soil Sample		Soil Sample		Soil Sample		Duplicate of SB-34		Soil Sample		Soil Sample		Soil Sample		Soil Sample		Water Sample	
Parameter	**PSRG RH (mg/Kg)**	**PSRG PGW (mg/Kg)**	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual	Result (mg/Kg)	Qual
VOCs by EPA Method 8260B																						
None of the target analytes were detected at concentrations above their respective Laboratory Method Detection Limits (MDLs).																						
1,4 Dioxane by GC/MS (SIM)																						
The target analyte was not detected at a concentration above its Laboratory MDLs.																					NA	
SVOCs by EPA Method 8270D																						
None of the target analytes were detected at concentrations above their respective Laboratory MDLs.																					NA	
Metals by EPA Method 6020A/7471B																						
Chromium	0.30	3.80	**3.64**		**2.44**		**4.23**		**2.19**		**3.38**		**2.77**		**2.77**		**3.19**		**1.95**		NA	
Iron	11000	150	**1,650**		**982**		**1,090**		**1,150**		**1,570**		**1,720**		**1,640**		**1,690**		**1,140**		NA	
Lead	400	270	1.55		3.62		1.82		0.956		1.25		1.11		1.3		1.33		5.14		NA	
Manganese	360	65	3.95		4.14		3.16		2.95		3.64		4.22		5.46		5.63		3.81		NA	
Nickel	300	130	1.09		0.604		0.782		0.696		1.05		0.92		0.848		1.03		0.631		NA	
Nitrogen & Sulfate by EPA Method 9056A																						
None of the target analytes were detected at concentrations above their respective Laboratory MDLs.																						
Asbestos by EPA 600/R-93/116																						
Asbestos containing materials were not detected at concentrations above the Regulatory Standards in the samples collected and analyzed.																					NA	

Notes:
Soil Boring (Sampling Intervals) presented in approximate Feet Below Ground Surface
Results depicted in **BOLD** represent an exceedance to Regulatory Standards
IHSB = Inactive Hazardous Sites Branch
PSRG = Preliminary Soil Remediation Goals
RH = Residential Health
PGW = Protection of Groundwater
mg/Kg = Milligrams per Kilogram (PPM)
MDLs = Laboratory Method Detection Limits
RLs = Laboratory Reporting Limits
NL = Not Listed
ND = Compound Not Detected
NA = Not Analyzed

APPENDIX A

FIELD DOCUMENTS AND RECORDS

11/16/15 Otway 02140214.5

C FAY Otway NC
D Terry clear low 50's - upper 60's

- surface water / sediment sampling
- soil ~~covering~~ sampling
- GW sampling well MW-1 through MW-4

mob 0630 - 0900

onsite collect SW / SD samples
SW sample are decanted from Lab provided 1 liter jar
SW-3 @ 0930
↳ Duplicate SW-Dup @ 0900

SW-4 @ 0940

sediment samples collected with a decontaminated Hand Auger

SD-3 @ 0950

11/16/15 Otway 02140214.54

SD-4 @ 1000
↳ Duplicate sample SD-Dup @1010

calibrate TVA

SB-34
0-2' Tan & Gray silty fine SAND, dry saturated. 1.0' BGS, fine well sorted rounded grains, wood @ 2'

	FID	PID	
0-6"	0.81	232	SB-34-0-6" @ 1052

Duplicate sample SB-Dup @1300

SB-31
0-1 Tan silty fine SAND

1-1.5 Black silty fine SAND, well sorted rounded grains, moist, soft, 1-1.5 waste present, brick, & concrete

	FID	PID	
0-6" ~~SB-31~~	7.30	2282	SB-31-0-6" @ 1118

11/16/15 Otway 02140214.54

SB-32

0-0.5 Tan silty fine SAND

0.5-1.5 Black silty fine SAND
waste present Brick & wood

	FID	PID	
0-6"	13.41	34.06	SB-32-0-6" @ 1129

methanol VOA Brdie
did not collect

SB-33

0-1 Tan silty fine SAND
1-1.5 Black silty fine SAND,
~~water~~ waste present wood

	FID	PID	
0-6"	57.06	27.19	SB-33-0-6" @ 1143

wet @ 1.0' BGS

SB-35

0-1.5 Tan & Gray silty fine SAND
1.5-2.0 Black silty fine SAND
waste present decomp leaves & concrete

	FID	PID	
0-6"	ND	50.61	SB-35-0-6" @ 1159

11/16/15 Otway 02140214.54

SB-37

0-0.5' Tan silty fine SAND
0.5-concrete

	FID	PID	
0-6"	ND	49.15	SB-37-0-6" @ 1207

SB-38

0-1.0 Tan silty fine SAND
1.0-1.5 Black silty fine SAND,
waste present plastic bag

	FID	PID	
0-6"	10.20	31.66	SB-38-0-6" @ 1218

SB-36

0-0.5 Tan silty fine SAND
0.5-1.0 Black silty fine SAND
waste present Styrofoam

	FID	PID	
0-6"	ND	19.89	SB-36-0-6" @ 1228

	PID	FID
TVA Final check	108	98

11/16/15 Otony 02140214-54

1100 open all wells & allow to equilibrate

1200 calibrate YSIs & Turbid meters

pH

4 Lot 4A1515 exp 9/16

7 Lot 5AD425 exp 4/17

10 lot 5AA164 ex 1/14

conductivity Lot # 5GF1098 exp 5/16

ORP model # 160-22 exp 12/17/15

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Job Number 02100001.21

State ID

Well ID MW-1

Date 11/16/15

Groundwater Sampling Form

Site Name OTWAY

Well Depth 11'

Depth to Water 1.09'

Well Diameter 2"

Casing Material

Screen Length 11'

Well Water Volume

Sampling Crew C Fay

Pump Type peristaltic

Tubing Type poly

Intake set at

Weather Conditions clear mid 70's

Notes (eg. odor or color) Start purge @ 1349, check Turbidity and @ 1402 : good, 1 Broken VOA

Time (24 Hr.)	Water Level (from TOC)	Volume Purged (Gals.)	DO (mg/L)	Temp (°C)	EC (µS/cm)	pH (standard)	ORP (mV)	Turbidity (NTU)
1355	1.14'	–	2.05	20.34	1.309	6.16	-27.8	4.91
1359	1.13'	–	0.91	20.41	1.309	6.15	-33.8	1.74
1406	1.15'	0.25	0.68	20.29	1.307	6.10	-30.0	0.62
1410	1.16'	–	0.55	20.27	1.311	6.08	-27.6	1.97
1415	1.13'	–	0.50	20.26	1.319	6.10	-25.4	1.82
1420	1.13'	0.50	0.47	20.27	1.320	6.10	-24.6	1.65

Other Parameters NA

Sampled at 1425 Parameters taken with YSI Pro

Samples delivered to ESC by Fed Ex at

Analysis	Preservative	Bottle ware	Number of Bottles	Hold Time
VOCs	HCL	40 ml VOAs glass		14 Days
SVOCs	None	250 ml glass		7 Days
Metals	Nitric Acid	250 ml plastic		180 Days
NO3+NO2	Sulfuric Acid	125 ml plastic		28 Days
Herbicides	None	1 Liter glass		7 days
Pesticides	None	1 Liter glass		7 Days
Other				

Well Volume Calculation

1" well	[well depth-depth to water]	* 0.0408	gallons
2" well	[well depth-depth to water]	* 0.163	gallons
4" well	[well depth-depth to water]	* 0.653	gallons

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Groundwater Sampling Form

Job Number 02100001.21
State ID
Well ID MW-3
Date 11/16/15

Site Name OTWAY
Well Depth 10'
Depth to Water 0.91'
Well Diameter 2"
Casing Material
Screen Length 10'
Well Water Volume
Sampling Crew C Fay
Pump Type peristaltic
Tubing Type poly
Intake set at
Weather Conditions clear, mid 70's
Notes (eg. odor or color) purge start @ 1256

Time (24 Hr.)	Water Level (from TOC)	Volume Purged (Gals.)	DO (mg/L)	Temp (°C)	EC (µS/cm)	pH (standard)	ORP (mV)	Turbidity (NTU)
1303	0.99'	—	1.01	20.67	1.121	6.20	-63.6	80
1309	0.98'	—	0.95	20.48	1.119	6.22	-64.2	12.52
1313	0.98'	0.25	0.84	20.26	1.111	6.19	-62.5	5.39
1319	0.98'	—	0.76	20.21	1.109	6.14	-58.5	5.75
1325	0.99'	—	0.71	20.07	1.106	6.10	-57.3	4.46
1330	0.98'	0.5	0.66	20.02	1.102	6.10	-56.8	4.97

Other Parameters NA
Sampled at 1335
Parameters taken with YSI Pro
Samples delivered to ESC
by Fed Ex
at

Analysis	Preservative	Bottle ware	Number of Bottles	Hold Time
VOCs	HCL	40 ml VOAs glass		14 Days
SVOCs	None	250 ml glass		7 Days
Metals	Nitric Acid	250 ml plastic		180 Days
NO3+NO2	Sulfuric Acid	125 ml plastic		28 Days
Herbicides	None	1 Liter glass		7 days
Pesticides	None	1 Liter glass		7 Days
Other				

Well Volume Calculation

1" well	[well depth-depth to water]	* 0.0408	gallons
2" well	[well depth-depth to water]	* 0.163	gallons
4" well	[well depth-depth to water]	* 0.653	gallons

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Groundwater Sampling Form

Job Number 02100001.21
State ID ~~MW-2~~
Well ID MW-2
Date 11/16/15

Site Name Otway
Well Depth
Depth to Water 1.26
Well Diameter 2"
Casing Material PVC
Screen Length 10'
Well Water Volume
Sampling Crew C Fay
Pump Type peristaltic
Tubing Type poly/teflon
Intake set at
Weather Conditions
Notes (eg. odor or color)

GW Dup 1400

Time (24 Hr.)	Water Level (from TOC)	Volume Purged (Gals.)	DO (mg/L)	Temp (°C)	EC (µS/cm)	pH (standard)	ORP (mV)	Turbidity (NTU)
1230	1.27	–	1.32	20.2	861	7.08	117	17.6
1233	1.28	–	0.87	20.0	799	6.77	128	8.6
1236	1.30	0.25	0.93	19.9	757	6.77	130	6.8
1239	1.30	–	1.06	20.1	690	6.85	126	5.1
1242	1.30	–	1.04	20.0	676	6.87	124	5.3
1245		0.5	1.04	19.9	665	6.90	122	6.1

Other Parameters NA
Sampled at 1250
Parameters taken with YSI Pro
Samples delivered to ESC
by Fed Ex
at

Analysis	Preservative	Bottle ware	Number of Bottles	Hold Time
VOCs	HCL	40 ml VOAs glass	4	14 Days
SVOCs	None	250 ml glass	1	7 Days
Metals	Nitric Acid	250 ml plastic	1	180 Days
NO3+NO2	Sulfuric Acid	125 ml plastic	1	28 Days
Herbicides	None	1 Liter glass		7 days
Pesticides	None	1 Liter glass		7 Days
Other				

Well Volume Calculation

1" well	[well depth-depth to water]	* 0.0408	gallons
2" well	[well depth-depth to water]	* 0.163	gallons
4" well	[well depth-depth to water]	* 0.653	gallons

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Job Number 02100001.21
State ID
Well ID MW-4
Date 11/16/15

Groundwater Sampling Form

Site Name Otway
Well Depth
Depth to Water 1.49
Well Diameter 2"
Casing Material PVC
Screen Length
Well Water Volume
Sampling Crew C Fay
Pump Type peristaltic
Tubing Type poly / teflon
Intake set at
Weather Conditions
Notes (eg. odor or color)

Time (24 Hr.)	Water Level (from TOC)	Volume Purged (Gals.)	DO (mg/L)	Temp (°C)	EC (µS/cm)	pH (standard)	ORP (mV)	Turbidity (NTU)
1316	1.59	—	0.77	20.4	428	6.02	13.7	20.4
1319	1.59	—	0.60	20.4	430	5.74	11.4	11.6
1322	1.59	0.25	0.43	20.3	430	5.63	8.7	10.8
1325	1.59	—	0.33	20.4	430	5.61	3.0	9.3
1327	1.59	—	0.29	20.5	429	5.61	-1.3	8.7
1330		0.5	0.22	20.6	424	5.64	-3.9	6.3

Other Parameters NA
Sampled at 1335
Parameters taken with YSI Pro / Lutron
Samples delivered to ESC
by Fed Ex
at

Analysis	Preservative	Bottle ware	Number of Bottles	Hold Time
VOCs	HCL	40 ml VOAs glass	4	14 Days
SVOCs	None	250 ml glass	2	7 Days
Metals	Nitric Acid	250 ml plastic	1	180 Days
NO3+NO2	Sulfuric Acid	125 ml plastic	1	28 Days
Herbicides	None	1 Liter glass		7 days
Pesticides	None	1 Liter glass		7 Days
Other				

Well Volume Calculation

1" well	[well depth-depth to water]	* 0.0408	gallons
2" well	[well depth-depth to water]	* 0.163	gallons
4" well	[well depth-depth to water]	* 0.653	gallons

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
WITHRAVS - Regular
WITHRAVS - 6200FULL
WITHRAVS - STATELEAD

Report to: CCay @withersravenel.com
Email to:

Project Description: Otway Dump
City/Sate Collected: Otway NC
Phone: (919) 469-3340
FAX:
Client Project #: 0210000121
ESC Key: see above
Collected by: Chris Fox
Site/Facility ID#:
P.O.#:
Collected by (signature): CF
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode WITHRAVS (lab use only)
Template/Prelogin
Shipped Via:

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs by 8260	1,4 Dioxane by 8260 SIM	SVOCs 8270	Metals by 6020	Mercury by 7471	Ammonia 4500	Nitrates 300	Sulfates 300	Remarks/Contaminant	Sample # (lab only)
SB-36-0-6"	Grab	SS	0-6"	11/16	1228	10	X	X	X	X	X	X	X	X		
SB-37-0-6"			0-6"		1237	10	X	X	X	X	X	X	X	X		
SB-38-0-6"			0-6"		1218	10	X	X	X	X	X	X	X	X		
MW-1		GW	NA		1425	9	X	X	X	X	X	X	X	X		
MW-2					1250	9	X	X	X	X	X	X	X	X		
MW-3					1335	9	X	X	X	X	X	X	X	X		
MW-4					1335	9	X	X	X	X	X	X	X	X		
SW-DUP					0900	9	X	X	X	X	X	X	X	X		
SD-DUP		SS			1010	10	X	X	X	X	X	X	X	X		

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
CF	11/16	1500			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: / Bottles Received:	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: / Time:	pH Checked: / NCF:

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
WITHRAVS - Regular
WITHRAVS - 6200FULL
WITHRAVS - STATELEAD

Report to: Clay @withersravenel.com
Email to:

Chain of Custody
Page 1 of 1

Prepared by:

ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Project Description: Otway
City/State Collected: Otway NC
Phone: (919) 469-3340
FAX:
Client Project #:
ESC Key: see above
Collected by: Chris Fry
Site/Facility ID#:
P.O.#:
Collected by (signature):
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

CoCode WITHRAVS (lab use only)
Template/Prelogin
Shipped Via:

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260 VOCs	1,4 Dioxane by 8260 SIM	8 VOCs by 8270	14 Metals by 6020	Mercury 7471	Ammonia 4500	Nitrates 300	Sulfates 300	Remarks/Contaminant	Sample # (lab only)
SB-Dup	Grab	SS	NA	11/16/15	1300	10	X	X	X	X	X	X	X	X		
MW-Dup	↓	GW	↓	↓	1400	9	X	X	X	X	X	X	X	X		
Trip Blank	↓	W	↓	↓	—	2	X									

*Matrix: **SS** - Soil/Solid **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature)	Date: 11/16	Time: 1500	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only)	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp:	Bottles Received:	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date:	Time:	pH Checked: NCF:

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
WITHRAVS - Regular
WITHRAVS - 6200FULL
WITHRAVS - STATELEAD

Report to: Cfay @withersravenel.com
Email to:

Chain of Custody
Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Project Description: Otway Dump
City/Sate Collected: Otway NC
Phone: (919) 469-3340
FAX:
Client Project #: 02100001.21
ESC Key: see above
Collected by: Chris Fay
Site/Facility ID#:
P.O.#:
Collected by (signature):
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

CoCode WITHRAVS (lab use only)
Template/Prelogin
Shipped Via:

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs by 8260	1,4 Dioxane by 8260 SIM	SVOCs by 8270	Metals by 6020	Mercury 7471	Ammonia 4500	Nitrates 300	Sulfates 300	Remarks/Contaminant	Sample # (lab only)
SW-3	Grab	GW	NA	11/16/17	0930	9	X	X	X	X	X	X	X	X		
SD-3		SS			0950	10	X	X	X	X	X	X	X	X		
SW-4		GW			0940	9	X	X	X	X	X	X	X	X		
SD-4		SS			1000	10	X	X	X	X	X	X	X	X		
SB-31-0-6"			0-6"		1118		X	X	X	X	X	X	X	X		
SB-32-0-6"			0-6"		1179		X	X	X	X	X	X	X	X		
SB-33-0-6"			0-6"		1143		X	X	X	X	X	X	X	X		
SB-34-0-6"			0-6"		1052		X	X	X	X	X	X	X	X		
SB-35-0-6"			0-6"		1159		X	X	X	X	X	X	X	X		

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks:

Relinquished by: (Signature)	Date: 11/16	Time: 1500	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only)
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: / Bottles Received:	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: / Time:	pH Checked: / NCF:

APPENDIX B

SUMMARY OF GPS DATA

Appendix B
Summary of GPS Data
Otway Community Refuse Dump-NONCD0000198
Otway, Carteret County, NC

Location Identification	Latitude (feet)	Longitude (feet)
SB-31	34.777201	-76.556775
SB-32	34.777066	-76.556467
SB-33	34.776824	-76.55662
SB-34	34.776705	-76.557064
SB-35	34.776578	-76.556763
SB-36	34.776455	-76.55647
SB-37	34.776337	-76.556908
SB-38	34.776212	-76.556611

APPENDIX C

LABORATORY REPORT

Laboratory Report – QA/QC Data Review

Project Name:	Otway Community Dump NONCD0000198
Project Number:	02100001.21
Laboratory Name:	ESC Laboratories
Laboratory Report Name and Date(s):	**L801382 dated 11/30/2015**
Laboratory Sample IDs:	L801382-01through L801382-41
Media Subjected to Analyses (preceded by sampling date):	(11/16/15) 2 Sediment Samples, 2 Surface Water Samples, 8 Soil Samples, 4 Groundwater Samples, 4 Duplicate Samples, and 1 Trip Blank

QA/QC Checklist:

1. Samples Analyzed Outside of Holding Time? (y/n) – If yes identify sample.	No.
2. Samples Preserved Per Method Requirements? (y/n) – If no, identify sample.	Yes.
3. Samples Received Below 4º C? (y/n)	Yes.
4. Did Blanks Contain Analytes identified in Sample Media (B-Flags)? (y/n) – If yes, identify sample.	No.
5. Were matrix – spike duplicates included in analyses? (y/n)	Yes.
6. Did the laboratory report any analyses as "rejected"? (y/n) - If yes, identify sample.	No.
7. Did the laboratory provide explanation of any technical issues regarding the analyses of a samples(s) on the laboratory report? (y/n) – If yes, summarize.	**L801166-02 Original Sample-Matrix Spike-Matrix Spike Duplicate** for ammonia nitrogen. (J6) The sample matrix interfered with the ability to make any accurate determination; spike value is low. **L801382-15 Original Sample-Matrix Spike-Matrix Spike Duplicate** for iron. (J3) The associated batch QC was outside the established quality control range for precision. (J5) The sample matrix interfered with the ability to make any accurate determination; spike value is high. (J6) The sample matrix interfered with the ability to make any accurate determination; spike value is low. **L801558-06 Original Sample-Matrix Spike-Matrix Spike Duplicate** for manganese.

	(V) The sample concentration is too high to evaluate accurate spike recoveries. **Laboratory Control Sample-Laboratory Sample Duplicate** for 2-chloroethyl vinyl ether. (J4) The associated batch QC was outside the established quality control range for accuracy. **L801382-01 Original Sample-Matrix Spike-Matrix Spike Duplicate** for 2-chloroethyl vinyl ether. (J3) The associated batch QC was outside the established quality control range for precision. **Laboratory Control Sample-Laboratory Sample Duplicate** for 1,2 dibromo-3-chloropropane. (J3) The associated batch QC was outside the established quality control range for precision. **Laboratory Control Sample-Laboratory Sample Duplicate** for naphthalene and 1,2,3-trichlorobenzene. (J4) The associated batch QC was outside the established quality control range for accuracy. **L801512-01 Original Sample-Matrix Spike-Matrix Spike Duplicate** for benzene; bromodichloromethane; bromoform; bromomethane; tert-butylbenzene; carbon tetrachloride; chlorobenzene; chlorodibromomethane; chloroform; chloromethane; 1,2-dibromoethane; dibromomethane; 1,1-dichloroethane; 1,2-dichloroethane; cis-1,2-dichloroethene; trans-1,2-dichloroethene; 1,2-dichloropropane; 1,3-dichloropropane; cis-1,3-dichloropropene; trans-1,3-dichloropropene; 2,2-dichloropropane; di-isopropyl ether; ethylbenzene; methylene chloride; methyl tert-butyl ether; 1,1,1,2-tetrachloroethane; toluene; 1,1,2-trichlorotrifluoroethane; 1,1,1-trichloroethane; 1,1,2-trichloroethane; trichloroethene; vinyl chloride; and xylenes, total. (J3) The associated batch QC was outside the established quality control range for precision. **L801512-01 Original Sample-Matrix Spike-Matrix Spike Duplicate** for n-butylbenzene; naphthalene; 1,2,3-trichlorobenzene; and 1,2,4-trichlorobenzene.

	(J6) The sample matrix interfered with the ability to make any accurate determination spike value is low. **Laboratory Control Sample-Laboratory Sample Duplicate** for 2-chloroethyl vinyl ether and 2,2-dichloropropane. (J4) The associated batch QC was outside the established quality control range for accuracy. **L801435-04 Original Sample-Matrix Spike-Matrix Spike Duplicate** for 2-chloroethyl vinyl ether, and 1,2-dichloroethane. (J5) The sample matrix interfered with the ability to make any accurate determination; spike value is high. **Laboratory Control Sample-Laboratory Sample Duplicate** for 4,6-dinitro-2-methylphenol; 2,4-dinitrophenol; 4-nitrophenol; pentachlorophenol, and 2,4,6-trichlorophenol. (J3) The associated batch QC was outside the established quality control range for precision. **Laboratory Control Sample-Laboratory Sample Duplicate** for 2,4-dinitrophenol and 4-nitrophenol. (J4) The associated batch QC was outside the established quality control range for accuracy. **L801134-04 Original Sample-Matrix Spike-Matrix Spike Duplicate** for n-nitrosodiphenylamine, and 4-nitrophenol. (J5) The sample matrix interfered with the ability to make any accurate determination; spike value is high. **L801134-04 Original Sample-Matrix Spike-Matrix Spike Duplicate** for n-nitrosodiphenylamine (J3) The associated batch QC was outside the established quality control range for precision.

Reviewer:	Chris Fay/SMB
Date of Review:	12/28/15
Data Suitable For intended Use:	Yes

ANALYTICAL REPORT

November 30, 2015

Withers & Ravenel Eng. - Standard

Sample Delivery Group:	L801382
Samples Received:	11/17/2015
Project Number:	02100001.21
Description:	Otway Dump
Site:	OTWAY, NC
Report To:	Chris Fay 115 MacKenan Drive Cary, NC 27511

Entire Report Reviewed By:

Jimmy Hunt
Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

SW-3 L801382-01 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 09:30 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 09:44	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:34	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 08:14	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 19:42	11/18/15 19:42	ACG
Wet Chemistry by Method 350.1	WG831026	1	11/23/15 19:57	11/23/15 19:57	JAL
Wet Chemistry by Method 9056MOD	WG829559	1	11/17/15 20:27	11/17/15 20:27	DJD

SW-3 L801382-02 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 09:30 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 13:17	11/19/15 13:17	ACG

SD-3 L801382-03 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 09:50 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:05	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:10	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/18/15 21:18	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:00	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831584	1	11/25/15 00:47	11/25/15 05:04	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:49	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 16:03	NJM

SD-3 L801382-04 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 09:50 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:00	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829964	1	11/18/15 13:43	11/23/15 14:32	DWR

SW-4 L801382-05 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 09:40 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 09:47	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:37	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 08:37	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 20:00	11/18/15 20:00	ACG
Wet Chemistry by Method 350.1	WG831026	1	11/23/15 19:59	11/23/15 19:59	JAL
Wet Chemistry by Method 9056MOD	WG829559	1	11/17/15 20:43	11/17/15 20:43	DJD

SW-4 L801382-06 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 09:40 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 13:36	11/19/15 13:36	ACG

SD-4 L801382-07 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 10:00 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:08	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:12	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/18/15 21:41	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:00	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831584	1	11/25/15 00:47	11/25/15 05:24	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:50	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 16:26	NJM

SD-4 L801382-08 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 10:00 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:00	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829964	1	11/18/15 13:43	11/23/15 15:52	DWR

SB-31 0-6IN L801382-09 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:18 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:10	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:15	VSS
Metals (ICPMS) by Method 6020	WG830499	50	11/21/15 08:38	11/23/15 00:50	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/18/15 22:05	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:00	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831584	1	11/25/15 00:47	11/25/15 06:22	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:51	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 16:49	NJM

SB-31 0-6IN L801382-10 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:18 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:00	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829964	1	11/18/15 13:43	11/23/15 16:12	DWR

SB-32 0-6IN L801382-11 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:29 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:13	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:40	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/18/15 22:28	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:01	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 19:42	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:52	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 17:35	NJM

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

SB-32 0-6IN L801382-12 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:29 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:01	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829964	1	11/18/15 13:43	11/23/15 19:08	DWR

SB-33 0-6IN L801382-13 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:43 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:20	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:42	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/18/15 22:51	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:03	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 20:02	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:55	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 17:57	NJM

SB-33 0-6IN L801382-14 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:43 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:03	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829964	1	11/18/15 13:43	11/23/15 19:29	DWR

SB-34 0-6IN L801382-15 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 10:52 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:23	BRJ
Metals (ICPMS) by Method 6020	WG830499	10	11/21/15 08:38	11/23/15 13:14	JD
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 21:03	VSS
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/18/15 23:15	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:03	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 20:21	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:57	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 18:20	NJM

SB-34 0-6IN L801382-16 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 10:52 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:03	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829964	1	11/18/15 13:43	11/23/15 19:49	DWR

SB-35 0-6IN L801382-17 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:59 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:26	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:44	VSS
Metals (ICPMS) by Method 6020	WG830499	50	11/21/15 08:38	11/23/15 00:52	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/18/15 23:38	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL

SB-35 0-6IN L801382-17 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:59 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 20:41	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:40	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 18:43	NJM

SB-35 0-6IN L801382-18 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 11:59 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829964	1	11/18/15 13:43	11/23/15 20:09	DWR

SB-36 0-6IN L801382-19 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 12:28 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:28	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:47	VSS
Metals (ICPMS) by Method 6020	WG830499	50	11/21/15 08:38	11/23/15 00:55	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/19/15 00:01	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 21:00	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:58	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 19:06	NJM

SB-36 0-6IN L801382-20 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 12:28 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831458	1	11/24/15 14:54	11/27/15 12:13	JAH

SB-37 0-6IN L801382-21 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 12:07 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:31	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:49	VSS
Metals (ICPMS) by Method 6020	WG830499	50	11/21/15 08:38	11/23/15 00:57	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/19/15 00:24	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1.11	11/17/15 22:45	11/19/15 21:20	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 10:59	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 19:29	NJM

SB-37 0-6IN L801382-22 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 12:07 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831458	1	11/24/15 14:54	11/27/15 12:33	JAH

SB-38 0-6IN L801382-23 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 12:18 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:33	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:51	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/19/15 00:48	KMP
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 21:40	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 11:00	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 19:52	NJM

SB-38 0-6IN L801382-24 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 12:18 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830083	1	11/18/15 17:52	11/19/15 09:04	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831458	1	11/24/15 14:54	11/27/15 12:53	JAH

MW-1 L801382-25 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 14:25 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 09:55	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:39	JD
Metals (ICPMS) by Method 6020	WG830935	5	11/22/15 22:02	11/23/15 13:19	JDG
Metals (ICPMS) by Method 6020	WG830935	50	11/22/15 22:02	11/23/15 11:40	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 05:53	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 20:17	11/18/15 20:17	ACG
Wet Chemistry by Method 350.1	WG831195	1	11/24/15 15:19	11/24/15 15:19	JAL
Wet Chemistry by Method 9056MOD	WG829750	1	11/18/15 11:00	11/18/15 11:00	CM

MW-1 L801382-26 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 14:25 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 13:56	11/19/15 13:56	ACG

MW-2 L801382-27 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 12:50 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 09:57	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:41	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 06:16	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 20:34	11/18/15 20:34	ACG
Wet Chemistry by Method 350.1	WG831195	1	11/24/15 15:22	11/24/15 15:22	JAL
Wet Chemistry by Method 9056MOD	WG829750	1	11/18/15 09:33	11/18/15 09:33	CM

MW-2 L801382-28 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 12:50 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 14:15	11/19/15 14:15	ACG

MW-3 L801382-29 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 13:35 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 10:00	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:44	JD
Metals (ICPMS) by Method 6020	WG830935	5	11/22/15 22:02	11/23/15 13:21	JDG
Metals (ICPMS) by Method 6020	WG830935	50	11/22/15 22:02	11/23/15 11:42	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 06:40	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 20:51	11/18/15 20:51	ACG
Wet Chemistry by Method 350.1	WG831195	1	11/24/15 15:24	11/24/15 15:24	JAL
Wet Chemistry by Method 9056MOD	WG829750	1	11/18/15 10:02	11/18/15 10:02	CM

MW-3 L801382-30 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 13:35 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 14:35	11/19/15 14:35	ACG

MW-4 L801382-31 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 13:35 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 10:02	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:46	JD
Metals (ICPMS) by Method 6020	WG830935	10	11/22/15 22:02	11/23/15 12:13	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 07:03	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 21:08	11/18/15 21:08	ACG
Wet Chemistry by Method 350.1	WG831195	1	11/24/15 15:29	11/24/15 15:29	JAL
Wet Chemistry by Method 9056MOD	WG829750	1	11/18/15 10:16	11/18/15 10:16	CM

MW-4 L801382-32 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 13:35 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 14:54	11/19/15 14:54	ACG

SW-DUP L801382-33 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 09:00 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 10:05	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:48	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 09:01	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 21:26	11/18/15 21:26	ACG
Wet Chemistry by Method 350.1	WG831195	1	11/24/15 15:32	11/24/15 15:32	JAL
Wet Chemistry by Method 9056MOD	WG829559	1	11/17/15 20:58	11/17/15 20:58	DJD

SW-DUP L801382-34 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 09:00 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 15:14	11/19/15 15:14	ACG

SD-DUP L801382-35 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 10:10 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:36	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:54	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/19/15 01:11	KMP
Total Solids by Method 2540 G-2011	WG830087	1	11/18/15 18:18	11/19/15 09:07	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 22:00	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 11:01	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 21:01	NJM

SD-DUP L801382-36 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 10:10 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830087	1	11/18/15 18:18	11/19/15 09:07	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831458	1	11/24/15 14:54	11/27/15 13:13	JAH

SB-DUP L801382-37 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 13:00 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG829954	1	11/21/15 17:45	11/22/15 09:38	BRJ
Metals (ICPMS) by Method 6020	WG830499	5	11/21/15 08:38	11/22/15 22:56	VSS
Metals (ICPMS) by Method 6020	WG830499	50	11/21/15 08:38	11/23/15 00:59	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270D	WG829684	1	11/17/15 17:19	11/19/15 01:34	KMP
Total Solids by Method 2540 G-2011	WG830087	1	11/18/15 18:18	11/19/15 09:11	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829803	1	11/17/15 22:45	11/19/15 23:14	ACG
Wet Chemistry by Method 350.1	WG829984	1	11/19/15 15:35	11/23/15 11:02	ASK
Wet Chemistry by Method 9056MOD	WG829977	1	11/20/15 13:53	11/21/15 21:24	NJM

SB-DUP L801382-38 Solid

Collected by: Chris Fay | Collected date/time: 11/16/15 13:00 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG830087	1	11/18/15 18:18	11/19/15 09:11	MEL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG831458	1	11/24/15 14:54	11/27/15 13:33	JAH

MW-DUP L801382-39 GW

Collected by: Chris Fay | Collected date/time: 11/16/15 14:00 | Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG829773	1	11/18/15 12:00	11/20/15 10:07	BRJ
Metals (ICPMS) by Method 6020	WG830935	1	11/22/15 22:02	11/23/15 01:55	JD
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG829779	1	11/19/15 10:36	11/20/15 07:27	JF
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 21:43	11/18/15 21:43	ACG
Wet Chemistry by Method 350.1	WG831195	1	11/24/15 15:34	11/24/15 15:34	JAL
Wet Chemistry by Method 9056MOD	WG829750	1	11/18/15 10:45	11/18/15 10:45	CM

MW-DUP L801382-40 GW

Collected by: Chris Fay
Collected date/time: 11/16/15 14:00
Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829965	1	11/19/15 15:33	11/19/15 15:33	ACG

TRIP BLANK L801382-41 GW

Collected by: Chris Fay
Collected date/time: 11/16/15 00:00
Received date/time: 11/17/15 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG829789	1	11/18/15 19:25	11/18/15 19:25	ACG

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jimmy Hunt
Technical Service Representative

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		250	1	11/23/2015 19:57	WG831026

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	ND		100	1	11/17/2015 20:27	WG829559
Sulfate	ND		5000	1	11/17/2015 20:27	WG829559

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 09:44	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:34	WG830935
Arsenic	ND		2.00	1	11/23/2015 01:34	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:34	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:34	WG830935
Chromium	ND		2.00	1	11/23/2015 01:34	WG830935
Copper	ND		5.00	1	11/23/2015 01:34	WG830935
Iron	ND		100	1	11/23/2015 01:34	WG830935
Lead	ND		2.00	1	11/23/2015 01:34	WG830935
Manganese	ND		5.00	1	11/23/2015 01:34	WG830935
Nickel	ND		2.00	1	11/23/2015 01:34	WG830935
Selenium	ND		2.00	1	11/23/2015 01:34	WG830935
Silver	ND		2.00	1	11/23/2015 01:34	WG830935
Thallium	ND		2.00	1	11/23/2015 01:34	WG830935
Zinc	ND		25.0	1	11/23/2015 01:34	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 19:42	WG829789
Acrolein	ND		50.0	1	11/18/2015 19:42	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 19:42	WG829789
Benzene	ND		1.00	1	11/18/2015 19:42	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 19:42	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 19:42	WG829789
Bromoform	ND		1.00	1	11/18/2015 19:42	WG829789
Bromomethane	ND		5.00	1	11/18/2015 19:42	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 19:42	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 19:42	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 19:42	WG829789
Chloroethane	ND		5.00	1	11/18/2015 19:42	WG829789
2-Chloroethyl vinyl ether	ND	J3 J4	50.0	1	11/18/2015 19:42	WG829789
Chloroform	ND		5.00	1	11/18/2015 19:42	WG829789
Chloromethane	ND		2.50	1	11/18/2015 19:42	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 19:42	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 19:42	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 19:42	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 19:42	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 19:42	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 19:42	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 19:42	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 19:42	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 19:42	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 19:42	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 19:42	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 19:42	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 19:42	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 19:42	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 19:42	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 19:42	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 19:42	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 19:42	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 19:42	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 19:42	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 19:42	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 19:42	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 19:42	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 19:42	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 19:42	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 19:42	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 19:42	WG829789
Naphthalene	ND		5.00	1	11/18/2015 19:42	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
Styrene	ND		1.00	1	11/18/2015 19:42	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 19:42	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 19:42	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 19:42	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 19:42	WG829789
Toluene	ND		5.00	1	11/18/2015 19:42	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 19:42	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 19:42	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 19:42	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 19:42	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 19:42	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 19:42	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 19:42	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 19:42	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 19:42	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 19:42	WG829789
(S) Toluene-d8	*106*		*90.0-115*		*11/18/2015 19:42*	WG829789
(S) Dibromofluoromethane	*109*		*79.0-121*		*11/18/2015 19:42*	WG829789
(S) 4-Bromofluorobenzene	*98.2*		*80.1-120*		*11/18/2015 19:42*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	11/20/2015 08:14	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 08:14	WG829779
Anthracene	ND		1.00	1	11/20/2015 08:14	WG829779
Benzidine	ND		10.0	1	11/20/2015 08:14	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 08:14	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 08:14	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 08:14	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 08:14	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 08:14	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 08:14	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 08:14	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 08:14	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 08:14	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 08:14	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 08:14	WG829779
Chrysene	ND		1.00	1	11/20/2015 08:14	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 08:14	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 08:14	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 08:14	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 08:14	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 08:14	WG829779
Fluorene	ND		1.00	1	11/20/2015 08:14	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 08:14	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 08:14	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 08:14	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 08:14	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 08:14	WG829779
Isophorone	ND		10.0	1	11/20/2015 08:14	WG829779
Naphthalene	ND		1.00	1	11/20/2015 08:14	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 08:14	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 08:14	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 08:14	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 08:14	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 08:14	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 08:14	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 08:14	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 08:14	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 08:14	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 08:14	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 08:14	WG829779
Pyrene	ND		1.00	1	11/20/2015 08:14	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 08:14	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 08:14	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 08:14	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 08:14	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 08:14	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 08:14	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 08:14	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 08:14	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 08:14	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 08:14	WG829779
Phenol	ND		10.0	1	11/20/2015 08:14	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 08:14	WG829779
(S) Nitrobenzene-d5	*64.4*		*21.8-123*		*11/20/2015 08:14*	WG829779
(S) 2-Fluorobiphenyl	*63.6*		*29.5-131*		*11/20/2015 08:14*	WG829779
(S) p-Terphenyl-d14	*76.9*		*29.3-137*		*11/20/2015 08:14*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*30.1*		*5.00-70.1*		*11/20/2015 08:14*	WG829779
(S) 2-Fluorophenol	*38.3*		*10.0-77.9*		*11/20/2015 08:14*	WG829779
(S) 2,4,6-Tribromophenol	*63.3*		*11.2-130*		*11/20/2015 08:14*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 13:17	WG829965
(S) Toluene-d8	*104*		*70.0-130*		*11/19/2015 13:17*	WG829965

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.0		1	11/19/2015 09:00	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		6.25	1	11/23/2015 10:49	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.25	1	11/21/2015 16:03	WG829977
Sulfate	ND		62.5	1	11/21/2015 16:03	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0250	1	11/22/2015 09:05	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.625	5	11/22/2015 22:10	WG830499
Arsenic	ND		0.625	5	11/22/2015 22:10	WG830499
Beryllium	ND		0.625	5	11/22/2015 22:10	WG830499
Cadmium	ND		0.625	5	11/22/2015 22:10	WG830499
Chromium	2.40		0.625	5	11/22/2015 22:10	WG830499
Copper	ND		1.25	5	11/22/2015 22:10	WG830499
Iron	1060		62.5	5	11/22/2015 22:10	WG830499
Lead	1.26		0.625	5	11/22/2015 22:10	WG830499
Manganese	2.59		1.25	5	11/22/2015 22:10	WG830499
Nickel	0.865		0.625	5	11/22/2015 22:10	WG830499
Selenium	ND		0.625	5	11/22/2015 22:10	WG830499
Silver	ND		1.25	5	11/22/2015 22:10	WG830499
Thallium	ND		0.625	5	11/22/2015 22:10	WG830499
Zinc	ND		6.25	5	11/22/2015 22:10	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0625	1	11/25/2015 05:04	WG831584
Acrylonitrile	ND		0.0125	1	11/25/2015 05:04	WG831584
Benzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Bromobenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Bromodichloromethane	ND		0.00125	1	11/25/2015 05:04	WG831584
Bromoform	ND		0.00125	1	11/25/2015 05:04	WG831584
Bromomethane	ND		0.00625	1	11/25/2015 05:04	WG831584
n-Butylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
sec-Butylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
tert-Butylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Carbon tetrachloride	ND		0.00125	1	11/25/2015 05:04	WG831584
Chlorobenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Chlorodibromomethane	ND		0.00125	1	11/25/2015 05:04	WG831584
Chloroethane	ND		0.00625	1	11/25/2015 05:04	WG831584

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND	J4	0.0625	1	11/25/2015 05:04	WG831584
Chloroform	ND		0.00625	1	11/25/2015 05:04	WG831584
Chloromethane	ND		0.00312	1	11/25/2015 05:04	WG831584
2-Chlorotoluene	ND		0.00125	1	11/25/2015 05:04	WG831584
4-Chlorotoluene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,2-Dibromo-3-Chloropropane	ND		0.00625	1	11/25/2015 05:04	WG831584
1,2-Dibromoethane	ND		0.00125	1	11/25/2015 05:04	WG831584
Dibromomethane	ND		0.00125	1	11/25/2015 05:04	WG831584
1,2-Dichlorobenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,3-Dichlorobenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,4-Dichlorobenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Dichlorodifluoromethane	ND		0.00625	1	11/25/2015 05:04	WG831584
1,1-Dichloroethane	ND		0.00125	1	11/25/2015 05:04	WG831584
1,2-Dichloroethane	ND		0.00125	1	11/25/2015 05:04	WG831584
1,1-Dichloroethene	ND		0.00125	1	11/25/2015 05:04	WG831584
cis-1,2-Dichloroethene	ND		0.00125	1	11/25/2015 05:04	WG831584
trans-1,2-Dichloroethene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,2-Dichloropropane	ND		0.00125	1	11/25/2015 05:04	WG831584
1,1-Dichloropropene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,3-Dichloropropane	ND		0.00125	1	11/25/2015 05:04	WG831584
cis-1,3-Dichloropropene	ND		0.00125	1	11/25/2015 05:04	WG831584
trans-1,3-Dichloropropene	ND		0.00125	1	11/25/2015 05:04	WG831584
2,2-Dichloropropane	ND	J4	0.00125	1	11/25/2015 05:04	WG831584
Di-isopropyl ether	ND		0.00125	1	11/25/2015 05:04	WG831584
Ethylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Hexachloro-1,3-butadiene	ND		0.00125	1	11/25/2015 05:04	WG831584
Isopropylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
p-Isopropyltoluene	ND		0.00125	1	11/25/2015 05:04	WG831584
2-Butanone (MEK)	ND		0.0125	1	11/25/2015 05:04	WG831584
Methylene Chloride	ND		0.00625	1	11/25/2015 05:04	WG831584
4-Methyl-2-pentanone (MIBK)	ND		0.0125	1	11/25/2015 05:04	WG831584
Methyl tert-butyl ether	ND		0.00125	1	11/25/2015 05:04	WG831584
Naphthalene	ND		0.00625	1	11/25/2015 05:04	WG831584
n-Propylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Styrene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,1,1,2-Tetrachloroethane	ND		0.00125	1	11/25/2015 05:04	WG831584
1,1,2,2-Tetrachloroethane	ND		0.00125	1	11/25/2015 05:04	WG831584
Tetrachloroethene	ND		0.00125	1	11/25/2015 05:04	WG831584
Toluene	ND		0.00625	1	11/25/2015 05:04	WG831584
1,2,3-Trichlorobenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,2,4-Trichlorobenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,1,1-Trichloroethane	ND		0.00125	1	11/25/2015 05:04	WG831584
1,1,2-Trichloroethane	ND		0.00125	1	11/25/2015 05:04	WG831584
1,1,2-Trichlorotrifluoroethane	ND		0.00125	1	11/25/2015 05:04	WG831584
Trichloroethene	ND		0.00125	1	11/25/2015 05:04	WG831584
Trichlorofluoromethane	ND		0.00625	1	11/25/2015 05:04	WG831584
1,2,3-Trichloropropane	ND		0.00312	1	11/25/2015 05:04	WG831584
1,2,4-Trimethylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
1,3,5-Trimethylbenzene	ND		0.00125	1	11/25/2015 05:04	WG831584
Vinyl chloride	ND		0.00125	1	11/25/2015 05:04	WG831584
Xylenes, Total	ND		0.00375	1	11/25/2015 05:04	WG831584
(S) Toluene-d8	*104*		*88.7-115*		*11/25/2015 05:04*	WG831584
(S) Dibromofluoromethane	*112*		*76.3-123*		*11/25/2015 05:04*	WG831584
(S) 4-Bromofluorobenzene	*91.2*		*69.7-129*		*11/25/2015 05:04*	WG831584

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0412	1	11/18/2015 21:18	WG829684
Acenaphthylene	ND		0.0412	1	11/18/2015 21:18	WG829684
Anthracene	ND		0.0412	1	11/18/2015 21:18	WG829684
Benzidine	ND	J J3	0.416	1	11/18/2015 21:18	WG829684
Benzo(a)anthracene	ND		0.0412	1	11/18/2015 21:18	WG829684
Benzo(b)fluoranthene	ND		0.0412	1	11/18/2015 21:18	WG829684
Benzo(k)fluoranthene	ND		0.0412	1	11/18/2015 21:18	WG829684
Benzo(g,h,i)perylene	ND		0.0412	1	11/18/2015 21:18	WG829684
Benzo(a)pyrene	ND		0.0412	1	11/18/2015 21:18	WG829684
Bis(2-chlorethoxy)methane	ND		0.416	1	11/18/2015 21:18	WG829684
Bis(2-chloroethyl)ether	ND		0.416	1	11/18/2015 21:18	WG829684
Bis(2-chloroisopropyl)ether	ND		0.416	1	11/18/2015 21:18	WG829684
4-Bromophenyl-phenylether	ND		0.416	1	11/18/2015 21:18	WG829684
2-Chloronaphthalene	ND		0.0412	1	11/18/2015 21:18	WG829684
4-Chlorophenyl-phenylether	ND		0.416	1	11/18/2015 21:18	WG829684
Chrysene	ND		0.0412	1	11/18/2015 21:18	WG829684
Dibenz(a,h)anthracene	ND		0.0412	1	11/18/2015 21:18	WG829684
3,3-Dichlorobenzidine	ND		0.416	1	11/18/2015 21:18	WG829684
2,4-Dinitrotoluene	ND		0.416	1	11/18/2015 21:18	WG829684
2,6-Dinitrotoluene	ND		0.416	1	11/18/2015 21:18	WG829684
Fluoranthene	ND		0.0412	1	11/18/2015 21:18	WG829684
Fluorene	ND		0.0412	1	11/18/2015 21:18	WG829684
Hexachlorobenzene	ND		0.416	1	11/18/2015 21:18	WG829684
Hexachloro-1,3-butadiene	ND		0.416	1	11/18/2015 21:18	WG829684
Hexachlorocyclopentadiene	ND	J	0.416	1	11/18/2015 21:18	WG829684
Hexachloroethane	ND		0.416	1	11/18/2015 21:18	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0412	1	11/18/2015 21:18	WG829684
Isophorone	ND		0.416	1	11/18/2015 21:18	WG829684
Naphthalene	ND		0.0412	1	11/18/2015 21:18	WG829684
Nitrobenzene	ND		0.416	1	11/18/2015 21:18	WG829684
n-Nitrosodimethylamine	ND		0.416	1	11/18/2015 21:18	WG829684
n-Nitrosodiphenylamine	ND		0.416	1	11/18/2015 21:18	WG829684
n-Nitrosodi-n-propylamine	ND		0.416	1	11/18/2015 21:18	WG829684
Phenanthrene	ND		0.0412	1	11/18/2015 21:18	WG829684
Benzylbutyl phthalate	ND		0.416	1	11/18/2015 21:18	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.416	1	11/18/2015 21:18	WG829684
Di-n-butyl phthalate	ND		0.416	1	11/18/2015 21:18	WG829684
Diethyl phthalate	ND		0.416	1	11/18/2015 21:18	WG829684
Dimethyl phthalate	ND		0.416	1	11/18/2015 21:18	WG829684
Di-n-octyl phthalate	ND		0.416	1	11/18/2015 21:18	WG829684
Pyrene	ND		0.0412	1	11/18/2015 21:18	WG829684
1,2,4-Trichlorobenzene	ND		0.416	1	11/18/2015 21:18	WG829684
4-Chloro-3-methylphenol	ND		0.416	1	11/18/2015 21:18	WG829684
2-Chlorophenol	ND		0.416	1	11/18/2015 21:18	WG829684
2,4-Dichlorophenol	ND		0.416	1	11/18/2015 21:18	WG829684
2,4-Dimethylphenol	ND	J	0.416	1	11/18/2015 21:18	WG829684
4,6-Dinitro-2-methylphenol	ND		0.416	1	11/18/2015 21:18	WG829684
2,4-Dinitrophenol	ND		0.416	1	11/18/2015 21:18	WG829684
2-Nitrophenol	ND		0.416	1	11/18/2015 21:18	WG829684
4-Nitrophenol	ND		0.416	1	11/18/2015 21:18	WG829684
Pentachlorophenol	ND		0.416	1	11/18/2015 21:18	WG829684
Phenol	ND		0.416	1	11/18/2015 21:18	WG829684
2,4,6-Trichlorophenol	ND		0.416	1	11/18/2015 21:18	WG829684
(S) 2-Fluorophenol	*78.5*		*21.1-116*		*11/18/2015 21:18*	WG829684
(S) Phenol-d5	*72.5*		*26.3-121*		*11/18/2015 21:18*	WG829684
(S) Nitrobenzene-d5	*72.3*		*21.9-129*		*11/18/2015 21:18*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*75.0*		*34.9-129*		*11/18/2015 21:18*	WG829684
(S) 2,4,6-Tribromophenol	*95.1*		*21.6-142*		*11/18/2015 21:18*	WG829684
(S) p-Terphenyl-d14	*70.7*		*21.5-128*		*11/18/2015 21:18*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	80.0		1	11/19/2015 09:00	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00375	1	11/23/2015 14:32	WG829964
(S) Toluene-d8	*103*		*70.0-130*		*11/23/2015 14:32*	WG829964

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		250	1	11/23/2015 19:59	WG831026

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	ND		100	1	11/17/2015 20:43	WG829559
Sulfate	ND		5000	1	11/17/2015 20:43	WG829559

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 09:47	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:37	WG830935
Arsenic	ND		2.00	1	11/23/2015 01:37	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:37	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:37	WG830935
Chromium	ND		2.00	1	11/23/2015 01:37	WG830935
Copper	ND		5.00	1	11/23/2015 01:37	WG830935
Iron	ND		100	1	11/23/2015 01:37	WG830935
Lead	ND		2.00	1	11/23/2015 01:37	WG830935
Manganese	ND		5.00	1	11/23/2015 01:37	WG830935
Nickel	ND		2.00	1	11/23/2015 01:37	WG830935
Selenium	ND		2.00	1	11/23/2015 01:37	WG830935
Silver	ND		2.00	1	11/23/2015 01:37	WG830935
Thallium	ND		2.00	1	11/23/2015 01:37	WG830935
Zinc	ND		25.0	1	11/23/2015 01:37	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 20:00	WG829789
Acrolein	ND		50.0	1	11/18/2015 20:00	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 20:00	WG829789
Benzene	ND		1.00	1	11/18/2015 20:00	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 20:00	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 20:00	WG829789
Bromoform	ND		1.00	1	11/18/2015 20:00	WG829789
Bromomethane	ND		5.00	1	11/18/2015 20:00	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 20:00	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 20:00	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 20:00	WG829789
Chloroethane	ND		5.00	1	11/18/2015 20:00	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 20:00	WG829789
Chloroform	ND		5.00	1	11/18/2015 20:00	WG829789
Chloromethane	ND		2.50	1	11/18/2015 20:00	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 20:00	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 20:00	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 20:00	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 20:00	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 20:00	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 20:00	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 20:00	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 20:00	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 20:00	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 20:00	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 20:00	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 20:00	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:00	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:00	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 20:00	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 20:00	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 20:00	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:00	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:00	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 20:00	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 20:00	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 20:00	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 20:00	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 20:00	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 20:00	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 20:00	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 20:00	WG829789
Naphthalene	ND		5.00	1	11/18/2015 20:00	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
Styrene	ND		1.00	1	11/18/2015 20:00	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:00	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:00	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 20:00	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 20:00	WG829789
Toluene	ND		5.00	1	11/18/2015 20:00	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 20:00	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 20:00	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 20:00	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 20:00	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 20:00	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 20:00	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 20:00	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 20:00	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 20:00	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 20:00	WG829789
(S) Toluene-d8	*107*		*90.0-115*		*11/18/2015 20:00*	WG829789
(S) Dibromofluoromethane	*111*		*79.0-121*		*11/18/2015 20:00*	WG829789
(S) 4-Bromofluorobenzene	*98.7*		*80.1-120*		*11/18/2015 20:00*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	11/20/2015 08:37	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 08:37	WG829779
Anthracene	ND		1.00	1	11/20/2015 08:37	WG829779
Benzidine	ND		10.0	1	11/20/2015 08:37	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 08:37	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 08:37	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 08:37	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 08:37	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 08:37	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 08:37	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 08:37	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 08:37	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 08:37	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 08:37	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 08:37	WG829779
Chrysene	ND		1.00	1	11/20/2015 08:37	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 08:37	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 08:37	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 08:37	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 08:37	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 08:37	WG829779
Fluorene	ND		1.00	1	11/20/2015 08:37	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 08:37	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 08:37	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 08:37	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 08:37	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 08:37	WG829779
Isophorone	ND		10.0	1	11/20/2015 08:37	WG829779
Naphthalene	ND		1.00	1	11/20/2015 08:37	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 08:37	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 08:37	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 08:37	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 08:37	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 08:37	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 08:37	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 08:37	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 08:37	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 08:37	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 08:37	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 08:37	WG829779
Pyrene	ND		1.00	1	11/20/2015 08:37	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 08:37	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 08:37	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 08:37	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 08:37	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 08:37	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 08:37	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 08:37	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 08:37	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 08:37	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 08:37	WG829779
Phenol	ND		10.0	1	11/20/2015 08:37	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 08:37	WG829779
(S) Nitrobenzene-d5	*59.9*		*21.8-123*		*11/20/2015 08:37*	WG829779
(S) 2-Fluorobiphenyl	*67.8*		*29.5-131*		*11/20/2015 08:37*	WG829779
(S) p-Terphenyl-d14	*83.8*		*29.3-137*		*11/20/2015 08:37*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*27.7*		*5.00-70.1*		*11/20/2015 08:37*	WG829779
(S) 2-Fluorophenol	*33.3*		*10.0-77.9*		*11/20/2015 08:37*	WG829779
(S) 2,4,6-Tribromophenol	*74.6*		*11.2-130*		*11/20/2015 08:37*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 13:36	WG829965
(S) Toluene-d8	*105*		*70.0-130*		*11/19/2015 13:36*	WG829965

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	73.2		1	11/19/2015 09:00	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		6.83	1	11/23/2015 10:50	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.37	1	11/21/2015 16:26	WG829977
Sulfate	ND		68.3	1	11/21/2015 16:26	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0273	1	11/22/2015 09:08	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.683	5	11/22/2015 22:12	WG830499
Arsenic	ND		0.683	5	11/22/2015 22:12	WG830499
Beryllium	ND		0.683	5	11/22/2015 22:12	WG830499
Cadmium	ND		0.683	5	11/22/2015 22:12	WG830499
Chromium	2.19		0.683	5	11/22/2015 22:12	WG830499
Copper	ND		1.37	5	11/22/2015 22:12	WG830499
Iron	659		68.3	5	11/22/2015 22:12	WG830499
Lead	2.14		0.683	5	11/22/2015 22:12	WG830499
Manganese	1.98		1.37	5	11/22/2015 22:12	WG830499
Nickel	ND		0.683	5	11/22/2015 22:12	WG830499
Selenium	ND		0.683	5	11/22/2015 22:12	WG830499
Silver	ND		1.37	5	11/22/2015 22:12	WG830499
Thallium	ND		0.683	5	11/22/2015 22:12	WG830499
Zinc	ND		6.83	5	11/22/2015 22:12	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0683	1	11/25/2015 05:24	WG831584
Acrylonitrile	ND		0.0137	1	11/25/2015 05:24	WG831584
Benzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Bromobenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Bromodichloromethane	ND		0.00137	1	11/25/2015 05:24	WG831584
Bromoform	ND		0.00137	1	11/25/2015 05:24	WG831584
Bromomethane	ND		0.00683	1	11/25/2015 05:24	WG831584
n-Butylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
sec-Butylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
tert-Butylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Carbon tetrachloride	ND		0.00137	1	11/25/2015 05:24	WG831584
Chlorobenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Chlorodibromomethane	ND		0.00137	1	11/25/2015 05:24	WG831584
Chloroethane	ND		0.00683	1	11/25/2015 05:24	WG831584

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND	J4	0.0683	1	11/25/2015 05:24	WG831584
Chloroform	ND		0.00683	1	11/25/2015 05:24	WG831584
Chloromethane	ND		0.00341	1	11/25/2015 05:24	WG831584
2-Chlorotoluene	ND		0.00137	1	11/25/2015 05:24	WG831584
4-Chlorotoluene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,2-Dibromo-3-Chloropropane	ND		0.00683	1	11/25/2015 05:24	WG831584
1,2-Dibromoethane	ND		0.00137	1	11/25/2015 05:24	WG831584
Dibromomethane	ND		0.00137	1	11/25/2015 05:24	WG831584
1,2-Dichlorobenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,3-Dichlorobenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,4-Dichlorobenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Dichlorodifluoromethane	ND		0.00683	1	11/25/2015 05:24	WG831584
1,1-Dichloroethane	ND		0.00137	1	11/25/2015 05:24	WG831584
1,2-Dichloroethane	ND		0.00137	1	11/25/2015 05:24	WG831584
1,1-Dichloroethene	ND		0.00137	1	11/25/2015 05:24	WG831584
cis-1,2-Dichloroethene	ND		0.00137	1	11/25/2015 05:24	WG831584
trans-1,2-Dichloroethene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,2-Dichloropropane	ND		0.00137	1	11/25/2015 05:24	WG831584
1,1-Dichloropropene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,3-Dichloropropane	ND		0.00137	1	11/25/2015 05:24	WG831584
cis-1,3-Dichloropropene	ND		0.00137	1	11/25/2015 05:24	WG831584
trans-1,3-Dichloropropene	ND		0.00137	1	11/25/2015 05:24	WG831584
2,2-Dichloropropane	ND	J4	0.00137	1	11/25/2015 05:24	WG831584
Di-isopropyl ether	ND		0.00137	1	11/25/2015 05:24	WG831584
Ethylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Hexachloro-1,3-butadiene	ND		0.00137	1	11/25/2015 05:24	WG831584
Isopropylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
p-Isopropyltoluene	ND		0.00137	1	11/25/2015 05:24	WG831584
2-Butanone (MEK)	ND		0.0137	1	11/25/2015 05:24	WG831584
Methylene Chloride	ND		0.00683	1	11/25/2015 05:24	WG831584
4-Methyl-2-pentanone (MIBK)	ND		0.0137	1	11/25/2015 05:24	WG831584
Methyl tert-butyl ether	ND		0.00137	1	11/25/2015 05:24	WG831584
Naphthalene	ND		0.00683	1	11/25/2015 05:24	WG831584
n-Propylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Styrene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,1,1,2-Tetrachloroethane	ND		0.00137	1	11/25/2015 05:24	WG831584
1,1,2,2-Tetrachloroethane	ND		0.00137	1	11/25/2015 05:24	WG831584
Tetrachloroethene	ND		0.00137	1	11/25/2015 05:24	WG831584
Toluene	ND		0.00683	1	11/25/2015 05:24	WG831584
1,2,3-Trichlorobenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,2,4-Trichlorobenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,1,1-Trichloroethane	ND		0.00137	1	11/25/2015 05:24	WG831584
1,1,2-Trichloroethane	ND		0.00137	1	11/25/2015 05:24	WG831584
1,1,2-Trichlorotrifluoroethane	ND		0.00137	1	11/25/2015 05:24	WG831584
Trichloroethene	ND		0.00137	1	11/25/2015 05:24	WG831584
Trichlorofluoromethane	ND		0.00683	1	11/25/2015 05:24	WG831584
1,2,3-Trichloropropane	ND		0.00341	1	11/25/2015 05:24	WG831584
1,2,4-Trimethylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
1,3,5-Trimethylbenzene	ND		0.00137	1	11/25/2015 05:24	WG831584
Vinyl chloride	ND		0.00137	1	11/25/2015 05:24	WG831584
Xylenes, Total	ND		0.00410	1	11/25/2015 05:24	WG831584
(S) Toluene-d8	*105*		*88.7-115*		*11/25/2015 05:24*	WG831584
(S) Dibromofluoromethane	*111*		*76.3-123*		*11/25/2015 05:24*	WG831584
(S) 4-Bromofluorobenzene	*93.8*		*69.7-129*		*11/25/2015 05:24*	WG831584

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0451	1	11/18/2015 21:41	WG829684
Acenaphthylene	ND		0.0451	1	11/18/2015 21:41	WG829684
Anthracene	ND		0.0451	1	11/18/2015 21:41	WG829684
Benzidine	ND	J J3	0.455	1	11/18/2015 21:41	WG829684
Benzo(a)anthracene	ND		0.0451	1	11/18/2015 21:41	WG829684
Benzo(b)fluoranthene	ND		0.0451	1	11/18/2015 21:41	WG829684
Benzo(k)fluoranthene	ND		0.0451	1	11/18/2015 21:41	WG829684
Benzo(g,h,i)perylene	ND		0.0451	1	11/18/2015 21:41	WG829684
Benzo(a)pyrene	ND		0.0451	1	11/18/2015 21:41	WG829684
Bis(2-chlorethoxy)methane	ND		0.455	1	11/18/2015 21:41	WG829684
Bis(2-chloroethyl)ether	ND		0.455	1	11/18/2015 21:41	WG829684
Bis(2-chloroisopropyl)ether	ND		0.455	1	11/18/2015 21:41	WG829684
4-Bromophenyl-phenylether	ND		0.455	1	11/18/2015 21:41	WG829684
2-Chloronaphthalene	ND		0.0451	1	11/18/2015 21:41	WG829684
4-Chlorophenyl-phenylether	ND		0.455	1	11/18/2015 21:41	WG829684
Chrysene	ND		0.0451	1	11/18/2015 21:41	WG829684
Dibenz(a,h)anthracene	ND		0.0451	1	11/18/2015 21:41	WG829684
3,3-Dichlorobenzidine	ND		0.455	1	11/18/2015 21:41	WG829684
2,4-Dinitrotoluene	ND		0.455	1	11/18/2015 21:41	WG829684
2,6-Dinitrotoluene	ND		0.455	1	11/18/2015 21:41	WG829684
Fluoranthene	ND		0.0451	1	11/18/2015 21:41	WG829684
Fluorene	ND		0.0451	1	11/18/2015 21:41	WG829684
Hexachlorobenzene	ND		0.455	1	11/18/2015 21:41	WG829684
Hexachloro-1,3-butadiene	ND		0.455	1	11/18/2015 21:41	WG829684
Hexachlorocyclopentadiene	ND	J	0.455	1	11/18/2015 21:41	WG829684
Hexachloroethane	ND		0.455	1	11/18/2015 21:41	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0451	1	11/18/2015 21:41	WG829684
Isophorone	ND		0.455	1	11/18/2015 21:41	WG829684
Naphthalene	ND		0.0451	1	11/18/2015 21:41	WG829684
Nitrobenzene	ND		0.455	1	11/18/2015 21:41	WG829684
n-Nitrosodimethylamine	ND		0.455	1	11/18/2015 21:41	WG829684
n-Nitrosodiphenylamine	ND		0.455	1	11/18/2015 21:41	WG829684
n-Nitrosodi-n-propylamine	ND		0.455	1	11/18/2015 21:41	WG829684
Phenanthrene	ND		0.0451	1	11/18/2015 21:41	WG829684
Benzylbutyl phthalate	ND		0.455	1	11/18/2015 21:41	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.455	1	11/18/2015 21:41	WG829684
Di-n-butyl phthalate	ND		0.455	1	11/18/2015 21:41	WG829684
Diethyl phthalate	ND		0.455	1	11/18/2015 21:41	WG829684
Dimethyl phthalate	ND		0.455	1	11/18/2015 21:41	WG829684
Di-n-octyl phthalate	ND		0.455	1	11/18/2015 21:41	WG829684
Pyrene	ND		0.0451	1	11/18/2015 21:41	WG829684
1,2,4-Trichlorobenzene	ND		0.455	1	11/18/2015 21:41	WG829684
4-Chloro-3-methylphenol	ND		0.455	1	11/18/2015 21:41	WG829684
2-Chlorophenol	ND		0.455	1	11/18/2015 21:41	WG829684
2,4-Dichlorophenol	ND		0.455	1	11/18/2015 21:41	WG829684
2,4-Dimethylphenol	ND	J	0.455	1	11/18/2015 21:41	WG829684
4,6-Dinitro-2-methylphenol	ND		0.455	1	11/18/2015 21:41	WG829684
2,4-Dinitrophenol	ND		0.455	1	11/18/2015 21:41	WG829684
2-Nitrophenol	ND		0.455	1	11/18/2015 21:41	WG829684
4-Nitrophenol	ND		0.455	1	11/18/2015 21:41	WG829684
Pentachlorophenol	ND		0.455	1	11/18/2015 21:41	WG829684
Phenol	ND		0.455	1	11/18/2015 21:41	WG829684
2,4,6-Trichlorophenol	ND		0.455	1	11/18/2015 21:41	WG829684
(S) 2-Fluorophenol	*84.3*		*21.1-116*		*11/18/2015 21:41*	WG829684
(S) Phenol-d5	*78.2*		*26.3-121*		*11/18/2015 21:41*	WG829684
(S) Nitrobenzene-d5	*75.8*		*21.9-129*		*11/18/2015 21:41*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*73.3*		*34.9-129*		*11/18/2015 21:41*	WG829684
(S) 2,4,6-Tribromophenol	*101*		*21.6-142*		*11/18/2015 21:41*	WG829684
(S) p-Terphenyl-d14	*66.7*		*21.5-128*		*11/18/2015 21:41*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	73.2		1	11/19/2015 09:00	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00410	1	11/23/2015 15:52	WG829964
(S) Toluene-d8	*104*		*70.0-130*		*11/23/2015 15:52*	WG829964

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.3		1	11/19/2015 09:00	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		6.00	1	11/23/2015 10:51	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.20	1	11/21/2015 16:49	WG829977
Sulfate	ND		60.0	1	11/21/2015 16:49	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0240	1	11/22/2015 09:10	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.600	5	11/22/2015 22:15	WG830499
Arsenic	ND		0.600	5	11/22/2015 22:15	WG830499
Beryllium	ND		0.600	5	11/22/2015 22:15	WG830499
Cadmium	ND		0.600	5	11/22/2015 22:15	WG830499
Chromium	3.64		0.600	5	11/22/2015 22:15	WG830499
Copper	ND		1.20	5	11/22/2015 22:15	WG830499
Lead	1.55		0.600	5	11/22/2015 22:15	WG830499
Manganese	3.95		1.20	5	11/22/2015 22:15	WG830499
Nickel	1.09		0.600	5	11/22/2015 22:15	WG830499
Selenium	ND		0.600	5	11/22/2015 22:15	WG830499
Silver	ND		1.20	5	11/22/2015 22:15	WG830499
Thallium	ND		0.600	5	11/22/2015 22:15	WG830499
Iron	1650		600	50	11/23/2015 00:50	WG830499
Zinc	ND		6.00	5	11/22/2015 22:15	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0600	1	11/25/2015 06:22	WG831584
Acrylonitrile	ND		0.0120	1	11/25/2015 06:22	WG831584
Benzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Bromobenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Bromodichloromethane	ND		0.00120	1	11/25/2015 06:22	WG831584
Bromoform	ND		0.00120	1	11/25/2015 06:22	WG831584
Bromomethane	ND		0.00600	1	11/25/2015 06:22	WG831584
n-Butylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
sec-Butylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
tert-Butylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Carbon tetrachloride	ND		0.00120	1	11/25/2015 06:22	WG831584
Chlorobenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Chlorodibromomethane	ND		0.00120	1	11/25/2015 06:22	WG831584
Chloroethane	ND		0.00600	1	11/25/2015 06:22	WG831584

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND	J4	0.0600	1	11/25/2015 06:22	WG831584
Chloroform	ND		0.00600	1	11/25/2015 06:22	WG831584
Chloromethane	ND		0.00300	1	11/25/2015 06:22	WG831584
2-Chlorotoluene	ND		0.00120	1	11/25/2015 06:22	WG831584
4-Chlorotoluene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,2-Dibromo-3-Chloropropane	ND		0.00600	1	11/25/2015 06:22	WG831584
1,2-Dibromoethane	ND		0.00120	1	11/25/2015 06:22	WG831584
Dibromomethane	ND		0.00120	1	11/25/2015 06:22	WG831584
1,2-Dichlorobenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,3-Dichlorobenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,4-Dichlorobenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Dichlorodifluoromethane	ND		0.00600	1	11/25/2015 06:22	WG831584
1,1-Dichloroethane	ND		0.00120	1	11/25/2015 06:22	WG831584
1,2-Dichloroethane	ND		0.00120	1	11/25/2015 06:22	WG831584
1,1-Dichloroethene	ND		0.00120	1	11/25/2015 06:22	WG831584
cis-1,2-Dichloroethene	ND		0.00120	1	11/25/2015 06:22	WG831584
trans-1,2-Dichloroethene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,2-Dichloropropane	ND		0.00120	1	11/25/2015 06:22	WG831584
1,1-Dichloropropene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,3-Dichloropropane	ND		0.00120	1	11/25/2015 06:22	WG831584
cis-1,3-Dichloropropene	ND		0.00120	1	11/25/2015 06:22	WG831584
trans-1,3-Dichloropropene	ND		0.00120	1	11/25/2015 06:22	WG831584
2,2-Dichloropropane	ND	J4	0.00120	1	11/25/2015 06:22	WG831584
Di-isopropyl ether	ND		0.00120	1	11/25/2015 06:22	WG831584
Ethylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Hexachloro-1,3-butadiene	ND		0.00120	1	11/25/2015 06:22	WG831584
Isopropylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
p-Isopropyltoluene	ND		0.00120	1	11/25/2015 06:22	WG831584
2-Butanone (MEK)	ND		0.0120	1	11/25/2015 06:22	WG831584
Methylene Chloride	ND		0.00600	1	11/25/2015 06:22	WG831584
4-Methyl-2-pentanone (MIBK)	ND		0.0120	1	11/25/2015 06:22	WG831584
Methyl tert-butyl ether	ND		0.00120	1	11/25/2015 06:22	WG831584
Naphthalene	ND		0.00600	1	11/25/2015 06:22	WG831584
n-Propylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Styrene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,1,1,2-Tetrachloroethane	ND		0.00120	1	11/25/2015 06:22	WG831584
1,1,2,2-Tetrachloroethane	ND		0.00120	1	11/25/2015 06:22	WG831584
Tetrachloroethene	ND		0.00120	1	11/25/2015 06:22	WG831584
Toluene	ND		0.00600	1	11/25/2015 06:22	WG831584
1,2,3-Trichlorobenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,2,4-Trichlorobenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,1,1-Trichloroethane	ND		0.00120	1	11/25/2015 06:22	WG831584
1,1,2-Trichloroethane	ND		0.00120	1	11/25/2015 06:22	WG831584
1,1,2-Trichlorotrifluoroethane	ND		0.00120	1	11/25/2015 06:22	WG831584
Trichloroethene	ND		0.00120	1	11/25/2015 06:22	WG831584
Trichlorofluoromethane	ND		0.00600	1	11/25/2015 06:22	WG831584
1,2,3-Trichloropropane	ND		0.00300	1	11/25/2015 06:22	WG831584
1,2,4-Trimethylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
1,3,5-Trimethylbenzene	ND		0.00120	1	11/25/2015 06:22	WG831584
Vinyl chloride	ND		0.00120	1	11/25/2015 06:22	WG831584
Xylenes, Total	ND		0.00360	1	11/25/2015 06:22	WG831584
(S) Toluene-d8	*105*		*88.7-115*		*11/25/2015 06:22*	WG831584
(S) Dibromofluoromethane	*116*		*76.3-123*		*11/25/2015 06:22*	WG831584
(S) 4-Bromofluorobenzene	*90.5*		*69.7-129*		*11/25/2015 06:22*	WG831584

Sample Narrative:

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch

8260B L801382-09 WG831584: Previous run also had low IS/SURR recovery. Matrix effect.

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0396	1	11/18/2015 22:05	WG829684
Acenaphthylene	ND		0.0396	1	11/18/2015 22:05	WG829684
Anthracene	ND		0.0396	1	11/18/2015 22:05	WG829684
Benzidine	ND	J J3	0.400	1	11/18/2015 22:05	WG829684
Benzo(a)anthracene	ND		0.0396	1	11/18/2015 22:05	WG829684
Benzo(b)fluoranthene	ND		0.0396	1	11/18/2015 22:05	WG829684
Benzo(k)fluoranthene	ND		0.0396	1	11/18/2015 22:05	WG829684
Benzo(g,h,i)perylene	ND		0.0396	1	11/18/2015 22:05	WG829684
Benzo(a)pyrene	ND		0.0396	1	11/18/2015 22:05	WG829684
Bis(2-chlorethoxy)methane	ND		0.400	1	11/18/2015 22:05	WG829684
Bis(2-chloroethyl)ether	ND		0.400	1	11/18/2015 22:05	WG829684
Bis(2-chloroisopropyl)ether	ND		0.400	1	11/18/2015 22:05	WG829684
4-Bromophenyl-phenylether	ND		0.400	1	11/18/2015 22:05	WG829684
2-Chloronaphthalene	ND		0.0396	1	11/18/2015 22:05	WG829684
4-Chlorophenyl-phenylether	ND		0.400	1	11/18/2015 22:05	WG829684
Chrysene	ND		0.0396	1	11/18/2015 22:05	WG829684
Dibenz(a,h)anthracene	ND		0.0396	1	11/18/2015 22:05	WG829684
3,3-Dichlorobenzidine	ND		0.400	1	11/18/2015 22:05	WG829684
2,4-Dinitrotoluene	ND		0.400	1	11/18/2015 22:05	WG829684
2,6-Dinitrotoluene	ND		0.400	1	11/18/2015 22:05	WG829684
Fluoranthene	ND		0.0396	1	11/18/2015 22:05	WG829684
Fluorene	ND		0.0396	1	11/18/2015 22:05	WG829684
Hexachlorobenzene	ND		0.400	1	11/18/2015 22:05	WG829684
Hexachloro-1,3-butadiene	ND		0.400	1	11/18/2015 22:05	WG829684
Hexachlorocyclopentadiene	ND	J	0.400	1	11/18/2015 22:05	WG829684
Hexachloroethane	ND		0.400	1	11/18/2015 22:05	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0396	1	11/18/2015 22:05	WG829684
Isophorone	ND		0.400	1	11/18/2015 22:05	WG829684
Naphthalene	ND		0.0396	1	11/18/2015 22:05	WG829684
Nitrobenzene	ND		0.400	1	11/18/2015 22:05	WG829684
n-Nitrosodimethylamine	ND		0.400	1	11/18/2015 22:05	WG829684
n-Nitrosodiphenylamine	ND		0.400	1	11/18/2015 22:05	WG829684
n-Nitrosodi-n-propylamine	ND		0.400	1	11/18/2015 22:05	WG829684
Phenanthrene	ND		0.0396	1	11/18/2015 22:05	WG829684
Benzylbutyl phthalate	ND		0.400	1	11/18/2015 22:05	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.400	1	11/18/2015 22:05	WG829684
Di-n-butyl phthalate	ND		0.400	1	11/18/2015 22:05	WG829684
Diethyl phthalate	ND		0.400	1	11/18/2015 22:05	WG829684
Dimethyl phthalate	ND		0.400	1	11/18/2015 22:05	WG829684
Di-n-octyl phthalate	ND		0.400	1	11/18/2015 22:05	WG829684
Pyrene	ND		0.0396	1	11/18/2015 22:05	WG829684
1,2,4-Trichlorobenzene	ND		0.400	1	11/18/2015 22:05	WG829684
4-Chloro-3-methylphenol	ND		0.400	1	11/18/2015 22:05	WG829684
2-Chlorophenol	ND		0.400	1	11/18/2015 22:05	WG829684
2,4-Dichlorophenol	ND		0.400	1	11/18/2015 22:05	WG829684
2,4-Dimethylphenol	ND	J	0.400	1	11/18/2015 22:05	WG829684
4,6-Dinitro-2-methylphenol	ND		0.400	1	11/18/2015 22:05	WG829684
2,4-Dinitrophenol	ND		0.400	1	11/18/2015 22:05	WG829684
2-Nitrophenol	ND		0.400	1	11/18/2015 22:05	WG829684
4-Nitrophenol	ND		0.400	1	11/18/2015 22:05	WG829684
Pentachlorophenol	ND		0.400	1	11/18/2015 22:05	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Phenol	ND		0.400	1	11/18/2015 22:05	WG829684
2,4,6-Trichlorophenol	ND		0.400	1	11/18/2015 22:05	WG829684
(S) 2-Fluorophenol	*71.6*		*21.1-116*		*11/18/2015 22:05*	WG829684
(S) Phenol-d5	*67.7*		*26.3-121*		*11/18/2015 22:05*	WG829684
(S) Nitrobenzene-d5	*69.1*		*21.9-129*		*11/18/2015 22:05*	WG829684
(S) 2-Fluorobiphenyl	*65.7*		*34.9-129*		*11/18/2015 22:05*	WG829684
(S) 2,4,6-Tribromophenol	*92.5*		*21.6-142*		*11/18/2015 22:05*	WG829684
(S) p-Terphenyl-d14	*60.9*		*21.5-128*		*11/18/2015 22:05*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.3		1	11/19/2015 09:00	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00360	1	11/23/2015 16:12	WG829964
(S) Toluene-d8	*104*		*70.0-130*		*11/23/2015 16:12*	WG829964

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	11/19/2015 09:01	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		6.02	1	11/23/2015 10:52	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.20	1	11/21/2015 17:35	WG829977
Sulfate	ND		60.2	1	11/21/2015 17:35	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0241	1	11/22/2015 09:13	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.602	5	11/22/2015 22:40	WG830499
Arsenic	ND		0.602	5	11/22/2015 22:40	WG830499
Beryllium	ND		0.602	5	11/22/2015 22:40	WG830499
Cadmium	ND		0.602	5	11/22/2015 22:40	WG830499
Chromium	2.44		0.602	5	11/22/2015 22:40	WG830499
Copper	ND		1.20	5	11/22/2015 22:40	WG830499
Iron	982		60.2	5	11/22/2015 22:40	WG830499
Lead	3.62		0.602	5	11/22/2015 22:40	WG830499
Manganese	4.14		1.20	5	11/22/2015 22:40	WG830499
Nickel	0.604		0.602	5	11/22/2015 22:40	WG830499
Selenium	ND		0.602	5	11/22/2015 22:40	WG830499
Silver	ND		1.20	5	11/22/2015 22:40	WG830499
Thallium	ND		0.602	5	11/22/2015 22:40	WG830499
Zinc	ND		6.02	5	11/22/2015 22:40	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0602	1	11/19/2015 19:42	WG829803
Acrylonitrile	ND		0.0120	1	11/19/2015 19:42	WG829803
Benzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Bromobenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Bromodichloromethane	ND		0.00120	1	11/19/2015 19:42	WG829803
Bromoform	ND		0.00120	1	11/19/2015 19:42	WG829803
Bromomethane	ND		0.00602	1	11/19/2015 19:42	WG829803
n-Butylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
sec-Butylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
tert-Butylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Carbon tetrachloride	ND		0.00120	1	11/19/2015 19:42	WG829803
Chlorobenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Chlorodibromomethane	ND		0.00120	1	11/19/2015 19:42	WG829803
Chloroethane	ND		0.00602	1	11/19/2015 19:42	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0602	1	11/19/2015 19:42	WG829803
Chloroform	ND		0.00602	1	11/19/2015 19:42	WG829803
Chloromethane	ND		0.00301	1	11/19/2015 19:42	WG829803
2-Chlorotoluene	ND		0.00120	1	11/19/2015 19:42	WG829803
4-Chlorotoluene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00602	1	11/19/2015 19:42	WG829803
1,2-Dibromoethane	ND		0.00120	1	11/19/2015 19:42	WG829803
Dibromomethane	ND		0.00120	1	11/19/2015 19:42	WG829803
1,2-Dichlorobenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,3-Dichlorobenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,4-Dichlorobenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Dichlorodifluoromethane	ND		0.00602	1	11/19/2015 19:42	WG829803
1,1-Dichloroethane	ND		0.00120	1	11/19/2015 19:42	WG829803
1,2-Dichloroethane	ND		0.00120	1	11/19/2015 19:42	WG829803
1,1-Dichloroethene	ND		0.00120	1	11/19/2015 19:42	WG829803
cis-1,2-Dichloroethene	ND		0.00120	1	11/19/2015 19:42	WG829803
trans-1,2-Dichloroethene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,2-Dichloropropane	ND		0.00120	1	11/19/2015 19:42	WG829803
1,1-Dichloropropene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,3-Dichloropropane	ND		0.00120	1	11/19/2015 19:42	WG829803
cis-1,3-Dichloropropene	ND		0.00120	1	11/19/2015 19:42	WG829803
trans-1,3-Dichloropropene	ND		0.00120	1	11/19/2015 19:42	WG829803
2,2-Dichloropropane	ND		0.00120	1	11/19/2015 19:42	WG829803
Di-isopropyl ether	ND		0.00120	1	11/19/2015 19:42	WG829803
Ethylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Hexachloro-1,3-butadiene	ND		0.00120	1	11/19/2015 19:42	WG829803
Isopropylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
p-Isopropyltoluene	ND		0.00120	1	11/19/2015 19:42	WG829803
2-Butanone (MEK)	ND		0.0120	1	11/19/2015 19:42	WG829803
Methylene Chloride	ND		0.00602	1	11/19/2015 19:42	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0120	1	11/19/2015 19:42	WG829803
Methyl tert-butyl ether	ND		0.00120	1	11/19/2015 19:42	WG829803
Naphthalene	ND	J4	0.00602	1	11/19/2015 19:42	WG829803
n-Propylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Styrene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00120	1	11/19/2015 19:42	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00120	1	11/19/2015 19:42	WG829803
Tetrachloroethene	ND		0.00120	1	11/19/2015 19:42	WG829803
Toluene	ND		0.00602	1	11/19/2015 19:42	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00120	1	11/19/2015 19:42	WG829803
1,2,4-Trichlorobenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,1,1-Trichloroethane	ND		0.00120	1	11/19/2015 19:42	WG829803
1,1,2-Trichloroethane	ND		0.00120	1	11/19/2015 19:42	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00120	1	11/19/2015 19:42	WG829803
Trichloroethene	ND		0.00120	1	11/19/2015 19:42	WG829803
Trichlorofluoromethane	ND		0.00602	1	11/19/2015 19:42	WG829803
1,2,3-Trichloropropane	ND		0.00301	1	11/19/2015 19:42	WG829803
1,2,4-Trimethylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
1,3,5-Trimethylbenzene	ND		0.00120	1	11/19/2015 19:42	WG829803
Vinyl chloride	ND		0.00120	1	11/19/2015 19:42	WG829803
Xylenes, Total	ND		0.00361	1	11/19/2015 19:42	WG829803
(S) Toluene-d8	*102*		*88.7-115*		*11/19/2015 19:42*	WG829803
(S) Dibromofluoromethane	*106*		*76.3-123*		*11/19/2015 19:42*	WG829803
(S) 4-Bromofluorobenzene	*96.2*		*69.7-129*		*11/19/2015 19:42*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0398	1	11/18/2015 22:28	WG829684
Acenaphthylene	ND		0.0398	1	11/18/2015 22:28	WG829684
Anthracene	ND		0.0398	1	11/18/2015 22:28	WG829684
Benzidine	ND	J J3	0.401	1	11/18/2015 22:28	WG829684
Benzo(a)anthracene	ND		0.0398	1	11/18/2015 22:28	WG829684
Benzo(b)fluoranthene	ND		0.0398	1	11/18/2015 22:28	WG829684
Benzo(k)fluoranthene	ND		0.0398	1	11/18/2015 22:28	WG829684
Benzo(g,h,i)perylene	ND		0.0398	1	11/18/2015 22:28	WG829684
Benzo(a)pyrene	ND		0.0398	1	11/18/2015 22:28	WG829684
Bis(2-chlorethoxy)methane	ND		0.401	1	11/18/2015 22:28	WG829684
Bis(2-chloroethyl)ether	ND		0.401	1	11/18/2015 22:28	WG829684
Bis(2-chloroisopropyl)ether	ND		0.401	1	11/18/2015 22:28	WG829684
4-Bromophenyl-phenylether	ND		0.401	1	11/18/2015 22:28	WG829684
2-Chloronaphthalene	ND		0.0398	1	11/18/2015 22:28	WG829684
4-Chlorophenyl-phenylether	ND		0.401	1	11/18/2015 22:28	WG829684
Chrysene	ND		0.0398	1	11/18/2015 22:28	WG829684
Dibenz(a,h)anthracene	ND		0.0398	1	11/18/2015 22:28	WG829684
3,3-Dichlorobenzidine	ND		0.401	1	11/18/2015 22:28	WG829684
2,4-Dinitrotoluene	ND		0.401	1	11/18/2015 22:28	WG829684
2,6-Dinitrotoluene	ND		0.401	1	11/18/2015 22:28	WG829684
Fluoranthene	ND		0.0398	1	11/18/2015 22:28	WG829684
Fluorene	ND		0.0398	1	11/18/2015 22:28	WG829684
Hexachlorobenzene	ND		0.401	1	11/18/2015 22:28	WG829684
Hexachloro-1,3-butadiene	ND		0.401	1	11/18/2015 22:28	WG829684
Hexachlorocyclopentadiene	ND	J	0.401	1	11/18/2015 22:28	WG829684
Hexachloroethane	ND		0.401	1	11/18/2015 22:28	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0398	1	11/18/2015 22:28	WG829684
Isophorone	ND		0.401	1	11/18/2015 22:28	WG829684
Naphthalene	ND		0.0398	1	11/18/2015 22:28	WG829684
Nitrobenzene	ND		0.401	1	11/18/2015 22:28	WG829684
n-Nitrosodimethylamine	ND		0.401	1	11/18/2015 22:28	WG829684
n-Nitrosodiphenylamine	ND		0.401	1	11/18/2015 22:28	WG829684
n-Nitrosodi-n-propylamine	ND		0.401	1	11/18/2015 22:28	WG829684
Phenanthrene	ND		0.0398	1	11/18/2015 22:28	WG829684
Benzylbutyl phthalate	ND		0.401	1	11/18/2015 22:28	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.401	1	11/18/2015 22:28	WG829684
Di-n-butyl phthalate	ND		0.401	1	11/18/2015 22:28	WG829684
Diethyl phthalate	ND		0.401	1	11/18/2015 22:28	WG829684
Dimethyl phthalate	ND		0.401	1	11/18/2015 22:28	WG829684
Di-n-octyl phthalate	ND		0.401	1	11/18/2015 22:28	WG829684
Pyrene	ND		0.0398	1	11/18/2015 22:28	WG829684
1,2,4-Trichlorobenzene	ND		0.401	1	11/18/2015 22:28	WG829684
4-Chloro-3-methylphenol	ND		0.401	1	11/18/2015 22:28	WG829684
2-Chlorophenol	ND		0.401	1	11/18/2015 22:28	WG829684
2,4-Dichlorophenol	ND		0.401	1	11/18/2015 22:28	WG829684
2,4-Dimethylphenol	ND	J	0.401	1	11/18/2015 22:28	WG829684
4,6-Dinitro-2-methylphenol	ND		0.401	1	11/18/2015 22:28	WG829684
2,4-Dinitrophenol	ND		0.401	1	11/18/2015 22:28	WG829684
2-Nitrophenol	ND		0.401	1	11/18/2015 22:28	WG829684
4-Nitrophenol	ND		0.401	1	11/18/2015 22:28	WG829684
Pentachlorophenol	ND		0.401	1	11/18/2015 22:28	WG829684
Phenol	ND		0.401	1	11/18/2015 22:28	WG829684
2,4,6-Trichlorophenol	ND		0.401	1	11/18/2015 22:28	WG829684
(S) 2-Fluorophenol	*69.7*		*21.1-116*		*11/18/2015 22:28*	WG829684
(S) Phenol-d5	*65.7*		*26.3-121*		*11/18/2015 22:28*	WG829684
(S) Nitrobenzene-d5	*66.9*		*21.9-129*		*11/18/2015 22:28*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*65.5*		*34.9-129*		*11/18/2015 22:28*	WG829684
(S) 2,4,6-Tribromophenol	*90.8*		*21.6-142*		*11/18/2015 22:28*	WG829684
(S) p-Terphenyl-d14	*63.6*		*21.5-128*		*11/18/2015 22:28*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	11/19/2015 09:01	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00361	1	11/23/2015 19:08	WG829964
(S) Toluene-d8	*101*		*70.0-130*		*11/23/2015 19:08*	WG829964

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	11/19/2015 09:03	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		5.82	1	11/23/2015 10:55	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.16	1	11/21/2015 17:57	WG829977
Sulfate	ND		58.2	1	11/21/2015 17:57	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0233	1	11/22/2015 09:20	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.582	5	11/22/2015 22:42	WG830499
Arsenic	ND		0.582	5	11/22/2015 22:42	WG830499
Beryllium	ND		0.582	5	11/22/2015 22:42	WG830499
Cadmium	ND		0.582	5	11/22/2015 22:42	WG830499
Chromium	4.23		0.582	5	11/22/2015 22:42	WG830499
Copper	ND		1.16	5	11/22/2015 22:42	WG830499
Iron	1090		58.2	5	11/22/2015 22:42	WG830499
Lead	1.82		0.582	5	11/22/2015 22:42	WG830499
Manganese	3.16		1.16	5	11/22/2015 22:42	WG830499
Nickel	0.782		0.582	5	11/22/2015 22:42	WG830499
Selenium	ND		0.582	5	11/22/2015 22:42	WG830499
Silver	ND		1.16	5	11/22/2015 22:42	WG830499
Thallium	ND		0.582	5	11/22/2015 22:42	WG830499
Zinc	ND		5.82	5	11/22/2015 22:42	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0582	1	11/19/2015 20:02	WG829803
Acrylonitrile	ND		0.0116	1	11/19/2015 20:02	WG829803
Benzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Bromobenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Bromodichloromethane	ND		0.00116	1	11/19/2015 20:02	WG829803
Bromoform	ND		0.00116	1	11/19/2015 20:02	WG829803
Bromomethane	ND		0.00582	1	11/19/2015 20:02	WG829803
n-Butylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
sec-Butylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
tert-Butylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Carbon tetrachloride	ND		0.00116	1	11/19/2015 20:02	WG829803
Chlorobenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Chlorodibromomethane	ND		0.00116	1	11/19/2015 20:02	WG829803
Chloroethane	ND		0.00582	1	11/19/2015 20:02	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0582	1	11/19/2015 20:02	WG829803
Chloroform	ND		0.00582	1	11/19/2015 20:02	WG829803
Chloromethane	ND		0.00291	1	11/19/2015 20:02	WG829803
2-Chlorotoluene	ND		0.00116	1	11/19/2015 20:02	WG829803
4-Chlorotoluene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00582	1	11/19/2015 20:02	WG829803
1,2-Dibromoethane	ND		0.00116	1	11/19/2015 20:02	WG829803
Dibromomethane	ND		0.00116	1	11/19/2015 20:02	WG829803
1,2-Dichlorobenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,3-Dichlorobenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,4-Dichlorobenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Dichlorodifluoromethane	ND		0.00582	1	11/19/2015 20:02	WG829803
1,1-Dichloroethane	ND		0.00116	1	11/19/2015 20:02	WG829803
1,2-Dichloroethane	ND		0.00116	1	11/19/2015 20:02	WG829803
1,1-Dichloroethene	ND		0.00116	1	11/19/2015 20:02	WG829803
cis-1,2-Dichloroethene	ND		0.00116	1	11/19/2015 20:02	WG829803
trans-1,2-Dichloroethene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,2-Dichloropropane	ND		0.00116	1	11/19/2015 20:02	WG829803
1,1-Dichloropropene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,3-Dichloropropane	ND		0.00116	1	11/19/2015 20:02	WG829803
cis-1,3-Dichloropropene	ND		0.00116	1	11/19/2015 20:02	WG829803
trans-1,3-Dichloropropene	ND		0.00116	1	11/19/2015 20:02	WG829803
2,2-Dichloropropane	ND		0.00116	1	11/19/2015 20:02	WG829803
Di-isopropyl ether	ND		0.00116	1	11/19/2015 20:02	WG829803
Ethylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Hexachloro-1,3-butadiene	ND		0.00116	1	11/19/2015 20:02	WG829803
Isopropylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
p-Isopropyltoluene	ND		0.00116	1	11/19/2015 20:02	WG829803
2-Butanone (MEK)	ND		0.0116	1	11/19/2015 20:02	WG829803
Methylene Chloride	ND		0.00582	1	11/19/2015 20:02	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0116	1	11/19/2015 20:02	WG829803
Methyl tert-butyl ether	ND		0.00116	1	11/19/2015 20:02	WG829803
Naphthalene	ND	J4	0.00582	1	11/19/2015 20:02	WG829803
n-Propylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Styrene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00116	1	11/19/2015 20:02	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00116	1	11/19/2015 20:02	WG829803
Tetrachloroethene	ND		0.00116	1	11/19/2015 20:02	WG829803
Toluene	ND		0.00582	1	11/19/2015 20:02	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00116	1	11/19/2015 20:02	WG829803
1,2,4-Trichlorobenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,1,1-Trichloroethane	ND		0.00116	1	11/19/2015 20:02	WG829803
1,1,2-Trichloroethane	ND		0.00116	1	11/19/2015 20:02	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00116	1	11/19/2015 20:02	WG829803
Trichloroethene	ND		0.00116	1	11/19/2015 20:02	WG829803
Trichlorofluoromethane	ND		0.00582	1	11/19/2015 20:02	WG829803
1,2,3-Trichloropropane	ND		0.00291	1	11/19/2015 20:02	WG829803
1,2,4-Trimethylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
1,3,5-Trimethylbenzene	ND		0.00116	1	11/19/2015 20:02	WG829803
Vinyl chloride	ND		0.00116	1	11/19/2015 20:02	WG829803
Xylenes, Total	ND		0.00349	1	11/19/2015 20:02	WG829803
(S) Toluene-d8	*104*		*88.7-115*		*11/19/2015 20:02*	WG829803
(S) Dibromofluoromethane	*104*		*76.3-123*		*11/19/2015 20:02*	WG829803
(S) 4-Bromofluorobenzene	*99.3*		*69.7-129*		*11/19/2015 20:02*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0384	1	11/18/2015 22:51	WG829684
Acenaphthylene	ND		0.0384	1	11/18/2015 22:51	WG829684
Anthracene	ND		0.0384	1	11/18/2015 22:51	WG829684
Benzidine	ND	J J3	0.388	1	11/18/2015 22:51	WG829684
Benzo(a)anthracene	ND		0.0384	1	11/18/2015 22:51	WG829684
Benzo(b)fluoranthene	ND		0.0384	1	11/18/2015 22:51	WG829684
Benzo(k)fluoranthene	ND		0.0384	1	11/18/2015 22:51	WG829684
Benzo(g,h,i)perylene	ND		0.0384	1	11/18/2015 22:51	WG829684
Benzo(a)pyrene	ND		0.0384	1	11/18/2015 22:51	WG829684
Bis(2-chlorethoxy)methane	ND		0.388	1	11/18/2015 22:51	WG829684
Bis(2-chloroethyl)ether	ND		0.388	1	11/18/2015 22:51	WG829684
Bis(2-chloroisopropyl)ether	ND		0.388	1	11/18/2015 22:51	WG829684
4-Bromophenyl-phenylether	ND		0.388	1	11/18/2015 22:51	WG829684
2-Chloronaphthalene	ND		0.0384	1	11/18/2015 22:51	WG829684
4-Chlorophenyl-phenylether	ND		0.388	1	11/18/2015 22:51	WG829684
Chrysene	ND		0.0384	1	11/18/2015 22:51	WG829684
Dibenz(a,h)anthracene	ND		0.0384	1	11/18/2015 22:51	WG829684
3,3-Dichlorobenzidine	ND		0.388	1	11/18/2015 22:51	WG829684
2,4-Dinitrotoluene	ND		0.388	1	11/18/2015 22:51	WG829684
2,6-Dinitrotoluene	ND		0.388	1	11/18/2015 22:51	WG829684
Fluoranthene	ND		0.0384	1	11/18/2015 22:51	WG829684
Fluorene	ND		0.0384	1	11/18/2015 22:51	WG829684
Hexachlorobenzene	ND		0.388	1	11/18/2015 22:51	WG829684
Hexachloro-1,3-butadiene	ND		0.388	1	11/18/2015 22:51	WG829684
Hexachlorocyclopentadiene	ND	J	0.388	1	11/18/2015 22:51	WG829684
Hexachloroethane	ND		0.388	1	11/18/2015 22:51	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0384	1	11/18/2015 22:51	WG829684
Isophorone	ND		0.388	1	11/18/2015 22:51	WG829684
Naphthalene	ND		0.0384	1	11/18/2015 22:51	WG829684
Nitrobenzene	ND		0.388	1	11/18/2015 22:51	WG829684
n-Nitrosodimethylamine	ND		0.388	1	11/18/2015 22:51	WG829684
n-Nitrosodiphenylamine	ND		0.388	1	11/18/2015 22:51	WG829684
n-Nitrosodi-n-propylamine	ND		0.388	1	11/18/2015 22:51	WG829684
Phenanthrene	ND		0.0384	1	11/18/2015 22:51	WG829684
Benzylbutyl phthalate	ND		0.388	1	11/18/2015 22:51	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.388	1	11/18/2015 22:51	WG829684
Di-n-butyl phthalate	ND		0.388	1	11/18/2015 22:51	WG829684
Diethyl phthalate	ND		0.388	1	11/18/2015 22:51	WG829684
Dimethyl phthalate	ND		0.388	1	11/18/2015 22:51	WG829684
Di-n-octyl phthalate	ND		0.388	1	11/18/2015 22:51	WG829684
Pyrene	ND		0.0384	1	11/18/2015 22:51	WG829684
1,2,4-Trichlorobenzene	ND		0.388	1	11/18/2015 22:51	WG829684
4-Chloro-3-methylphenol	ND		0.388	1	11/18/2015 22:51	WG829684
2-Chlorophenol	ND		0.388	1	11/18/2015 22:51	WG829684
2,4-Dichlorophenol	ND		0.388	1	11/18/2015 22:51	WG829684
2,4-Dimethylphenol	ND	J	0.388	1	11/18/2015 22:51	WG829684
4,6-Dinitro-2-methylphenol	ND		0.388	1	11/18/2015 22:51	WG829684
2,4-Dinitrophenol	ND		0.388	1	11/18/2015 22:51	WG829684
2-Nitrophenol	ND		0.388	1	11/18/2015 22:51	WG829684
4-Nitrophenol	ND		0.388	1	11/18/2015 22:51	WG829684
Pentachlorophenol	ND		0.388	1	11/18/2015 22:51	WG829684
Phenol	ND		0.388	1	11/18/2015 22:51	WG829684
2,4,6-Trichlorophenol	ND		0.388	1	11/18/2015 22:51	WG829684
(S) 2-Fluorophenol	*81.9*		*21.1-116*		*11/18/2015 22:51*	WG829684
(S) Phenol-d5	*81.8*		*26.3-121*		*11/18/2015 22:51*	WG829684
(S) Nitrobenzene-d5	*76.3*		*21.9-129*		*11/18/2015 22:51*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*77.3*		*34.9-129*		*11/18/2015 22:51*	WG829684
(S) 2,4,6-Tribromophenol	*106*		*21.6-142*		*11/18/2015 22:51*	WG829684
(S) p-Terphenyl-d14	*75.7*		*21.5-128*		*11/18/2015 22:51*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	11/19/2015 09:03	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00349	1	11/23/2015 19:29	WG829964
(S) Toluene-d8	*103*		*70.0-130*		*11/23/2015 19:29*	WG829964

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	11/19/2015 09:03	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		5.82	1	11/23/2015 10:57	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.16	1	11/21/2015 18:20	WG829977
Sulfate	ND		58.2	1	11/21/2015 18:20	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0233	1	11/22/2015 09:23	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.582	5	11/22/2015 21:03	WG830499
Arsenic	ND		0.582	5	11/22/2015 21:03	WG830499
Beryllium	ND		0.582	5	11/22/2015 21:03	WG830499
Cadmium	ND		0.582	5	11/22/2015 21:03	WG830499
Chromium	2.19		0.582	5	11/22/2015 21:03	WG830499
Copper	ND		1.16	5	11/22/2015 21:03	WG830499
Lead	0.956		0.582	5	11/22/2015 21:03	WG830499
Manganese	2.95		1.16	5	11/22/2015 21:03	WG830499
Nickel	0.696		0.582	5	11/22/2015 21:03	WG830499
Selenium	ND		0.582	5	11/22/2015 21:03	WG830499
Silver	ND		1.16	5	11/22/2015 21:03	WG830499
Thallium	ND		0.582	5	11/22/2015 21:03	WG830499
Iron	1150	J3 J5 J6	116	10	11/23/2015 13:14	WG830499
Zinc	ND		5.82	5	11/22/2015 21:03	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0582	1	11/19/2015 20:21	WG829803
Acrylonitrile	ND		0.0116	1	11/19/2015 20:21	WG829803
Benzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Bromobenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Bromodichloromethane	ND		0.00116	1	11/19/2015 20:21	WG829803
Bromoform	ND		0.00116	1	11/19/2015 20:21	WG829803
Bromomethane	ND		0.00582	1	11/19/2015 20:21	WG829803
n-Butylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
sec-Butylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
tert-Butylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Carbon tetrachloride	ND		0.00116	1	11/19/2015 20:21	WG829803
Chlorobenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Chlorodibromomethane	ND		0.00116	1	11/19/2015 20:21	WG829803
Chloroethane	ND		0.00582	1	11/19/2015 20:21	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0582	1	11/19/2015 20:21	WG829803
Chloroform	ND		0.00582	1	11/19/2015 20:21	WG829803
Chloromethane	ND		0.00291	1	11/19/2015 20:21	WG829803
2-Chlorotoluene	ND		0.00116	1	11/19/2015 20:21	WG829803
4-Chlorotoluene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00582	1	11/19/2015 20:21	WG829803
1,2-Dibromoethane	ND		0.00116	1	11/19/2015 20:21	WG829803
Dibromomethane	ND		0.00116	1	11/19/2015 20:21	WG829803
1,2-Dichlorobenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,3-Dichlorobenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,4-Dichlorobenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Dichlorodifluoromethane	ND		0.00582	1	11/19/2015 20:21	WG829803
1,1-Dichloroethane	ND		0.00116	1	11/19/2015 20:21	WG829803
1,2-Dichloroethane	ND		0.00116	1	11/19/2015 20:21	WG829803
1,1-Dichloroethene	ND		0.00116	1	11/19/2015 20:21	WG829803
cis-1,2-Dichloroethene	ND		0.00116	1	11/19/2015 20:21	WG829803
trans-1,2-Dichloroethene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,2-Dichloropropane	ND		0.00116	1	11/19/2015 20:21	WG829803
1,1-Dichloropropene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,3-Dichloropropane	ND		0.00116	1	11/19/2015 20:21	WG829803
cis-1,3-Dichloropropene	ND		0.00116	1	11/19/2015 20:21	WG829803
trans-1,3-Dichloropropene	ND		0.00116	1	11/19/2015 20:21	WG829803
2,2-Dichloropropane	ND		0.00116	1	11/19/2015 20:21	WG829803
Di-isopropyl ether	ND		0.00116	1	11/19/2015 20:21	WG829803
Ethylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Hexachloro-1,3-butadiene	ND		0.00116	1	11/19/2015 20:21	WG829803
Isopropylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
p-Isopropyltoluene	ND		0.00116	1	11/19/2015 20:21	WG829803
2-Butanone (MEK)	ND		0.0116	1	11/19/2015 20:21	WG829803
Methylene Chloride	ND		0.00582	1	11/19/2015 20:21	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0116	1	11/19/2015 20:21	WG829803
Methyl tert-butyl ether	ND		0.00116	1	11/19/2015 20:21	WG829803
Naphthalene	ND	J4	0.00582	1	11/19/2015 20:21	WG829803
n-Propylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Styrene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00116	1	11/19/2015 20:21	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00116	1	11/19/2015 20:21	WG829803
Tetrachloroethene	ND		0.00116	1	11/19/2015 20:21	WG829803
Toluene	ND		0.00582	1	11/19/2015 20:21	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00116	1	11/19/2015 20:21	WG829803
1,2,4-Trichlorobenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,1,1-Trichloroethane	ND		0.00116	1	11/19/2015 20:21	WG829803
1,1,2-Trichloroethane	ND		0.00116	1	11/19/2015 20:21	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00116	1	11/19/2015 20:21	WG829803
Trichloroethene	ND		0.00116	1	11/19/2015 20:21	WG829803
Trichlorofluoromethane	ND		0.00582	1	11/19/2015 20:21	WG829803
1,2,3-Trichloropropane	ND		0.00291	1	11/19/2015 20:21	WG829803
1,2,4-Trimethylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
1,3,5-Trimethylbenzene	ND		0.00116	1	11/19/2015 20:21	WG829803
Vinyl chloride	ND		0.00116	1	11/19/2015 20:21	WG829803
Xylenes, Total	ND		0.00349	1	11/19/2015 20:21	WG829803
(S) Toluene-d8	*105*		*88.7-115*		*11/19/2015 20:21*	WG829803
(S) Dibromofluoromethane	*104*		*76.3-123*		*11/19/2015 20:21*	WG829803
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*11/19/2015 20:21*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0384	1	11/18/2015 23:15	WG829684
Acenaphthylene	ND		0.0384	1	11/18/2015 23:15	WG829684
Anthracene	ND		0.0384	1	11/18/2015 23:15	WG829684
Benzidine	ND	J J3	0.388	1	11/18/2015 23:15	WG829684
Benzo(a)anthracene	ND		0.0384	1	11/18/2015 23:15	WG829684
Benzo(b)fluoranthene	ND		0.0384	1	11/18/2015 23:15	WG829684
Benzo(k)fluoranthene	ND		0.0384	1	11/18/2015 23:15	WG829684
Benzo(g,h,i)perylene	ND		0.0384	1	11/18/2015 23:15	WG829684
Benzo(a)pyrene	ND		0.0384	1	11/18/2015 23:15	WG829684
Bis(2-chlorethoxy)methane	ND		0.388	1	11/18/2015 23:15	WG829684
Bis(2-chloroethyl)ether	ND		0.388	1	11/18/2015 23:15	WG829684
Bis(2-chloroisopropyl)ether	ND		0.388	1	11/18/2015 23:15	WG829684
4-Bromophenyl-phenylether	ND		0.388	1	11/18/2015 23:15	WG829684
2-Chloronaphthalene	ND		0.0384	1	11/18/2015 23:15	WG829684
4-Chlorophenyl-phenylether	ND		0.388	1	11/18/2015 23:15	WG829684
Chrysene	ND		0.0384	1	11/18/2015 23:15	WG829684
Dibenz(a,h)anthracene	ND		0.0384	1	11/18/2015 23:15	WG829684
3,3-Dichlorobenzidine	ND		0.388	1	11/18/2015 23:15	WG829684
2,4-Dinitrotoluene	ND		0.388	1	11/18/2015 23:15	WG829684
2,6-Dinitrotoluene	ND		0.388	1	11/18/2015 23:15	WG829684
Fluoranthene	ND		0.0384	1	11/18/2015 23:15	WG829684
Fluorene	ND		0.0384	1	11/18/2015 23:15	WG829684
Hexachlorobenzene	ND		0.388	1	11/18/2015 23:15	WG829684
Hexachloro-1,3-butadiene	ND		0.388	1	11/18/2015 23:15	WG829684
Hexachlorocyclopentadiene	ND	J	0.388	1	11/18/2015 23:15	WG829684
Hexachloroethane	ND		0.388	1	11/18/2015 23:15	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0384	1	11/18/2015 23:15	WG829684
Isophorone	ND		0.388	1	11/18/2015 23:15	WG829684
Naphthalene	ND		0.0384	1	11/18/2015 23:15	WG829684
Nitrobenzene	ND		0.388	1	11/18/2015 23:15	WG829684
n-Nitrosodimethylamine	ND		0.388	1	11/18/2015 23:15	WG829684
n-Nitrosodiphenylamine	ND		0.388	1	11/18/2015 23:15	WG829684
n-Nitrosodi-n-propylamine	ND		0.388	1	11/18/2015 23:15	WG829684
Phenanthrene	ND		0.0384	1	11/18/2015 23:15	WG829684
Benzylbutyl phthalate	ND		0.388	1	11/18/2015 23:15	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.388	1	11/18/2015 23:15	WG829684
Di-n-butyl phthalate	ND		0.388	1	11/18/2015 23:15	WG829684
Diethyl phthalate	ND		0.388	1	11/18/2015 23:15	WG829684
Dimethyl phthalate	ND		0.388	1	11/18/2015 23:15	WG829684
Di-n-octyl phthalate	ND		0.388	1	11/18/2015 23:15	WG829684
Pyrene	ND		0.0384	1	11/18/2015 23:15	WG829684
1,2,4-Trichlorobenzene	ND		0.388	1	11/18/2015 23:15	WG829684
4-Chloro-3-methylphenol	ND		0.388	1	11/18/2015 23:15	WG829684
2-Chlorophenol	ND		0.388	1	11/18/2015 23:15	WG829684
2,4-Dichlorophenol	ND		0.388	1	11/18/2015 23:15	WG829684
2,4-Dimethylphenol	ND	J	0.388	1	11/18/2015 23:15	WG829684
4,6-Dinitro-2-methylphenol	ND		0.388	1	11/18/2015 23:15	WG829684
2,4-Dinitrophenol	ND		0.388	1	11/18/2015 23:15	WG829684
2-Nitrophenol	ND		0.388	1	11/18/2015 23:15	WG829684
4-Nitrophenol	ND		0.388	1	11/18/2015 23:15	WG829684
Pentachlorophenol	ND		0.388	1	11/18/2015 23:15	WG829684
Phenol	ND		0.388	1	11/18/2015 23:15	WG829684
2,4,6-Trichlorophenol	ND		0.388	1	11/18/2015 23:15	WG829684
(S) 2-Fluorophenol	*67.5*		*21.1-116*		*11/18/2015 23:15*	WG829684
(S) Phenol-d5	*68.0*		*26.3-121*		*11/18/2015 23:15*	WG829684
(S) Nitrobenzene-d5	*67.8*		*21.9-129*		*11/18/2015 23:15*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*69.5*		*34.9-129*		*11/18/2015 23:15*	WG829684
(S) 2,4,6-Tribromophenol	*91.8*		*21.6-142*		*11/18/2015 23:15*	WG829684
(S) p-Terphenyl-d14	*64.1*		*21.5-128*		*11/18/2015 23:15*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	11/19/2015 09:03	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00349	1	11/23/2015 19:49	WG829964
(S) Toluene-d8	*111*		*70.0-130*		*11/23/2015 19:49*	WG829964

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	11/19/2015 09:04	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		5.66	1	11/23/2015 10:40	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.13	1	11/21/2015 18:43	WG829977
Sulfate	ND		56.6	1	11/21/2015 18:43	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0226	1	11/22/2015 09:26	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.566	5	11/22/2015 22:44	WG830499
Arsenic	ND		0.566	5	11/22/2015 22:44	WG830499
Beryllium	ND		0.566	5	11/22/2015 22:44	WG830499
Cadmium	ND		0.566	5	11/22/2015 22:44	WG830499
Chromium	2.77		0.566	5	11/22/2015 22:44	WG830499
Copper	ND		1.13	5	11/22/2015 22:44	WG830499
Lead	1.11		0.566	5	11/22/2015 22:44	WG830499
Manganese	4.22		1.13	5	11/22/2015 22:44	WG830499
Nickel	0.920		0.566	5	11/22/2015 22:44	WG830499
Selenium	ND		0.566	5	11/22/2015 22:44	WG830499
Silver	ND		1.13	5	11/22/2015 22:44	WG830499
Thallium	ND		0.566	5	11/22/2015 22:44	WG830499
Iron	1720		566	50	11/23/2015 00:52	WG830499
Zinc	ND		5.66	5	11/22/2015 22:44	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0566	1	11/19/2015 20:41	WG829803
Acrylonitrile	ND		0.0113	1	11/19/2015 20:41	WG829803
Benzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Bromobenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Bromodichloromethane	ND		0.00113	1	11/19/2015 20:41	WG829803
Bromoform	ND		0.00113	1	11/19/2015 20:41	WG829803
Bromomethane	ND		0.00566	1	11/19/2015 20:41	WG829803
n-Butylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
sec-Butylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
tert-Butylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Carbon tetrachloride	ND		0.00113	1	11/19/2015 20:41	WG829803
Chlorobenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Chlorodibromomethane	ND		0.00113	1	11/19/2015 20:41	WG829803
Chloroethane	ND		0.00566	1	11/19/2015 20:41	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0566	1	11/19/2015 20:41	WG829803
Chloroform	ND		0.00566	1	11/19/2015 20:41	WG829803
Chloromethane	ND		0.00283	1	11/19/2015 20:41	WG829803
2-Chlorotoluene	ND		0.00113	1	11/19/2015 20:41	WG829803
4-Chlorotoluene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00566	1	11/19/2015 20:41	WG829803
1,2-Dibromoethane	ND		0.00113	1	11/19/2015 20:41	WG829803
Dibromomethane	ND		0.00113	1	11/19/2015 20:41	WG829803
1,2-Dichlorobenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,3-Dichlorobenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,4-Dichlorobenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Dichlorodifluoromethane	ND		0.00566	1	11/19/2015 20:41	WG829803
1,1-Dichloroethane	ND		0.00113	1	11/19/2015 20:41	WG829803
1,2-Dichloroethane	ND		0.00113	1	11/19/2015 20:41	WG829803
1,1-Dichloroethene	ND		0.00113	1	11/19/2015 20:41	WG829803
cis-1,2-Dichloroethene	ND		0.00113	1	11/19/2015 20:41	WG829803
trans-1,2-Dichloroethene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,2-Dichloropropane	ND		0.00113	1	11/19/2015 20:41	WG829803
1,1-Dichloropropene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,3-Dichloropropane	ND		0.00113	1	11/19/2015 20:41	WG829803
cis-1,3-Dichloropropene	ND		0.00113	1	11/19/2015 20:41	WG829803
trans-1,3-Dichloropropene	ND		0.00113	1	11/19/2015 20:41	WG829803
2,2-Dichloropropane	ND		0.00113	1	11/19/2015 20:41	WG829803
Di-isopropyl ether	ND		0.00113	1	11/19/2015 20:41	WG829803
Ethylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Hexachloro-1,3-butadiene	ND		0.00113	1	11/19/2015 20:41	WG829803
Isopropylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
p-Isopropyltoluene	ND		0.00113	1	11/19/2015 20:41	WG829803
2-Butanone (MEK)	ND		0.0113	1	11/19/2015 20:41	WG829803
Methylene Chloride	ND		0.00566	1	11/19/2015 20:41	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0113	1	11/19/2015 20:41	WG829803
Methyl tert-butyl ether	ND		0.00113	1	11/19/2015 20:41	WG829803
Naphthalene	ND	J4	0.00566	1	11/19/2015 20:41	WG829803
n-Propylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Styrene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00113	1	11/19/2015 20:41	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00113	1	11/19/2015 20:41	WG829803
Tetrachloroethene	ND		0.00113	1	11/19/2015 20:41	WG829803
Toluene	ND		0.00566	1	11/19/2015 20:41	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00113	1	11/19/2015 20:41	WG829803
1,2,4-Trichlorobenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,1,1-Trichloroethane	ND		0.00113	1	11/19/2015 20:41	WG829803
1,1,2-Trichloroethane	ND		0.00113	1	11/19/2015 20:41	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00113	1	11/19/2015 20:41	WG829803
Trichloroethene	ND		0.00113	1	11/19/2015 20:41	WG829803
Trichlorofluoromethane	ND		0.00566	1	11/19/2015 20:41	WG829803
1,2,3-Trichloropropane	ND		0.00283	1	11/19/2015 20:41	WG829803
1,2,4-Trimethylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
1,3,5-Trimethylbenzene	ND		0.00113	1	11/19/2015 20:41	WG829803
Vinyl chloride	ND		0.00113	1	11/19/2015 20:41	WG829803
Xylenes, Total	ND		0.00340	1	11/19/2015 20:41	WG829803
(S) Toluene-d8	*105*		*88.7-115*		*11/19/2015 20:41*	WG829803
(S) Dibromofluoromethane	*104*		*76.3-123*		*11/19/2015 20:41*	WG829803
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*11/19/2015 20:41*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0374	1	11/18/2015 23:38	WG829684
Acenaphthylene	ND		0.0374	1	11/18/2015 23:38	WG829684
Anthracene	ND		0.0374	1	11/18/2015 23:38	WG829684
Benzidine	ND	J J3	0.377	1	11/18/2015 23:38	WG829684
Benzo(a)anthracene	ND		0.0374	1	11/18/2015 23:38	WG829684
Benzo(b)fluoranthene	ND		0.0374	1	11/18/2015 23:38	WG829684
Benzo(k)fluoranthene	ND		0.0374	1	11/18/2015 23:38	WG829684
Benzo(g,h,i)perylene	ND		0.0374	1	11/18/2015 23:38	WG829684
Benzo(a)pyrene	ND		0.0374	1	11/18/2015 23:38	WG829684
Bis(2-chlorethoxy)methane	ND		0.377	1	11/18/2015 23:38	WG829684
Bis(2-chloroethyl)ether	ND		0.377	1	11/18/2015 23:38	WG829684
Bis(2-chloroisopropyl)ether	ND		0.377	1	11/18/2015 23:38	WG829684
4-Bromophenyl-phenylether	ND		0.377	1	11/18/2015 23:38	WG829684
2-Chloronaphthalene	ND		0.0374	1	11/18/2015 23:38	WG829684
4-Chlorophenyl-phenylether	ND		0.377	1	11/18/2015 23:38	WG829684
Chrysene	ND		0.0374	1	11/18/2015 23:38	WG829684
Dibenz(a,h)anthracene	ND		0.0374	1	11/18/2015 23:38	WG829684
3,3-Dichlorobenzidine	ND		0.377	1	11/18/2015 23:38	WG829684
2,4-Dinitrotoluene	ND		0.377	1	11/18/2015 23:38	WG829684
2,6-Dinitrotoluene	ND		0.377	1	11/18/2015 23:38	WG829684
Fluoranthene	ND		0.0374	1	11/18/2015 23:38	WG829684
Fluorene	ND		0.0374	1	11/18/2015 23:38	WG829684
Hexachlorobenzene	ND		0.377	1	11/18/2015 23:38	WG829684
Hexachloro-1,3-butadiene	ND		0.377	1	11/18/2015 23:38	WG829684
Hexachlorocyclopentadiene	ND	J	0.377	1	11/18/2015 23:38	WG829684
Hexachloroethane	ND		0.377	1	11/18/2015 23:38	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0374	1	11/18/2015 23:38	WG829684
Isophorone	ND		0.377	1	11/18/2015 23:38	WG829684
Naphthalene	ND		0.0374	1	11/18/2015 23:38	WG829684
Nitrobenzene	ND		0.377	1	11/18/2015 23:38	WG829684
n-Nitrosodimethylamine	ND		0.377	1	11/18/2015 23:38	WG829684
n-Nitrosodiphenylamine	ND		0.377	1	11/18/2015 23:38	WG829684
n-Nitrosodi-n-propylamine	ND		0.377	1	11/18/2015 23:38	WG829684
Phenanthrene	ND		0.0374	1	11/18/2015 23:38	WG829684
Benzylbutyl phthalate	ND		0.377	1	11/18/2015 23:38	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.377	1	11/18/2015 23:38	WG829684
Di-n-butyl phthalate	ND		0.377	1	11/18/2015 23:38	WG829684
Diethyl phthalate	ND		0.377	1	11/18/2015 23:38	WG829684
Dimethyl phthalate	ND		0.377	1	11/18/2015 23:38	WG829684
Di-n-octyl phthalate	ND		0.377	1	11/18/2015 23:38	WG829684
Pyrene	ND		0.0374	1	11/18/2015 23:38	WG829684
1,2,4-Trichlorobenzene	ND		0.377	1	11/18/2015 23:38	WG829684
4-Chloro-3-methylphenol	ND		0.377	1	11/18/2015 23:38	WG829684
2-Chlorophenol	ND		0.377	1	11/18/2015 23:38	WG829684
2,4-Dichlorophenol	ND		0.377	1	11/18/2015 23:38	WG829684
2,4-Dimethylphenol	ND	J	0.377	1	11/18/2015 23:38	WG829684
4,6-Dinitro-2-methylphenol	ND		0.377	1	11/18/2015 23:38	WG829684
2,4-Dinitrophenol	ND		0.377	1	11/18/2015 23:38	WG829684
2-Nitrophenol	ND		0.377	1	11/18/2015 23:38	WG829684
4-Nitrophenol	ND		0.377	1	11/18/2015 23:38	WG829684
Pentachlorophenol	ND		0.377	1	11/18/2015 23:38	WG829684
Phenol	ND		0.377	1	11/18/2015 23:38	WG829684
2,4,6-Trichlorophenol	ND		0.377	1	11/18/2015 23:38	WG829684
(S) 2-Fluorophenol	*68.9*		*21.1-116*		*11/18/2015 23:38*	WG829684
(S) Phenol-d5	*69.1*		*26.3-121*		*11/18/2015 23:38*	WG829684
(S) Nitrobenzene-d5	*64.8*		*21.9-129*		*11/18/2015 23:38*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*65.6*		*34.9-129*		*11/18/2015 23:38*	WG829684
(S) 2,4,6-Tribromophenol	*92.9*		*21.6-142*		*11/18/2015 23:38*	WG829684
(S) p-Terphenyl-d14	*62.9*		*21.5-128*		*11/18/2015 23:38*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.3		1	11/19/2015 09:04	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00340	1	11/23/2015 20:09	WG829964
(S) Toluene-d8	*104*		*70.0-130*		*11/23/2015 20:09*	WG829964

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	11/19/2015 09:04	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		5.87	1	11/23/2015 10:58	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.17	1	11/21/2015 19:06	WG829977
Sulfate	ND		58.7	1	11/21/2015 19:06	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0235	1	11/22/2015 09:28	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.587	5	11/22/2015 22:47	WG830499
Arsenic	ND		0.587	5	11/22/2015 22:47	WG830499
Beryllium	ND		0.587	5	11/22/2015 22:47	WG830499
Cadmium	ND		0.587	5	11/22/2015 22:47	WG830499
Chromium	2.77		0.587	5	11/22/2015 22:47	WG830499
Copper	ND		1.17	5	11/22/2015 22:47	WG830499
Lead	1.30		0.587	5	11/22/2015 22:47	WG830499
Manganese	5.46		1.17	5	11/22/2015 22:47	WG830499
Nickel	0.848		0.587	5	11/22/2015 22:47	WG830499
Selenium	ND		0.587	5	11/22/2015 22:47	WG830499
Silver	ND		1.17	5	11/22/2015 22:47	WG830499
Thallium	ND		0.587	5	11/22/2015 22:47	WG830499
Iron	1640		587	50	11/23/2015 00:55	WG830499
Zinc	ND		5.87	5	11/22/2015 22:47	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0587	1	11/19/2015 21:00	WG829803
Acrylonitrile	ND		0.0117	1	11/19/2015 21:00	WG829803
Benzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Bromobenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Bromodichloromethane	ND		0.00117	1	11/19/2015 21:00	WG829803
Bromoform	ND		0.00117	1	11/19/2015 21:00	WG829803
Bromomethane	ND		0.00587	1	11/19/2015 21:00	WG829803
n-Butylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
sec-Butylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
tert-Butylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Carbon tetrachloride	ND		0.00117	1	11/19/2015 21:00	WG829803
Chlorobenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Chlorodibromomethane	ND		0.00117	1	11/19/2015 21:00	WG829803
Chloroethane	ND		0.00587	1	11/19/2015 21:00	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0587	1	11/19/2015 21:00	WG829803
Chloroform	ND		0.00587	1	11/19/2015 21:00	WG829803
Chloromethane	ND		0.00293	1	11/19/2015 21:00	WG829803
2-Chlorotoluene	ND		0.00117	1	11/19/2015 21:00	WG829803
4-Chlorotoluene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00587	1	11/19/2015 21:00	WG829803
1,2-Dibromoethane	ND		0.00117	1	11/19/2015 21:00	WG829803
Dibromomethane	ND		0.00117	1	11/19/2015 21:00	WG829803
1,2-Dichlorobenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,3-Dichlorobenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,4-Dichlorobenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Dichlorodifluoromethane	ND		0.00587	1	11/19/2015 21:00	WG829803
1,1-Dichloroethane	ND		0.00117	1	11/19/2015 21:00	WG829803
1,2-Dichloroethane	ND		0.00117	1	11/19/2015 21:00	WG829803
1,1-Dichloroethene	ND		0.00117	1	11/19/2015 21:00	WG829803
cis-1,2-Dichloroethene	ND		0.00117	1	11/19/2015 21:00	WG829803
trans-1,2-Dichloroethene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,2-Dichloropropane	ND		0.00117	1	11/19/2015 21:00	WG829803
1,1-Dichloropropene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,3-Dichloropropane	ND		0.00117	1	11/19/2015 21:00	WG829803
cis-1,3-Dichloropropene	ND		0.00117	1	11/19/2015 21:00	WG829803
trans-1,3-Dichloropropene	ND		0.00117	1	11/19/2015 21:00	WG829803
2,2-Dichloropropane	ND		0.00117	1	11/19/2015 21:00	WG829803
Di-isopropyl ether	ND		0.00117	1	11/19/2015 21:00	WG829803
Ethylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Hexachloro-1,3-butadiene	ND		0.00117	1	11/19/2015 21:00	WG829803
Isopropylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
p-Isopropyltoluene	ND		0.00117	1	11/19/2015 21:00	WG829803
2-Butanone (MEK)	ND		0.0117	1	11/19/2015 21:00	WG829803
Methylene Chloride	ND		0.00587	1	11/19/2015 21:00	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0117	1	11/19/2015 21:00	WG829803
Methyl tert-butyl ether	ND		0.00117	1	11/19/2015 21:00	WG829803
Naphthalene	ND	J4	0.00587	1	11/19/2015 21:00	WG829803
n-Propylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Styrene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00117	1	11/19/2015 21:00	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00117	1	11/19/2015 21:00	WG829803
Tetrachloroethene	ND		0.00117	1	11/19/2015 21:00	WG829803
Toluene	ND		0.00587	1	11/19/2015 21:00	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00117	1	11/19/2015 21:00	WG829803
1,2,4-Trichlorobenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,1,1-Trichloroethane	ND		0.00117	1	11/19/2015 21:00	WG829803
1,1,2-Trichloroethane	ND		0.00117	1	11/19/2015 21:00	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00117	1	11/19/2015 21:00	WG829803
Trichloroethene	ND		0.00117	1	11/19/2015 21:00	WG829803
Trichlorofluoromethane	ND		0.00587	1	11/19/2015 21:00	WG829803
1,2,3-Trichloropropane	ND		0.00293	1	11/19/2015 21:00	WG829803
1,2,4-Trimethylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
1,3,5-Trimethylbenzene	ND		0.00117	1	11/19/2015 21:00	WG829803
Vinyl chloride	ND		0.00117	1	11/19/2015 21:00	WG829803
Xylenes, Total	ND		0.00352	1	11/19/2015 21:00	WG829803
(S) Toluene-d8	*102*		*88.7-115*		*11/19/2015 21:00*	WG829803
(S) Dibromofluoromethane	*96.2*		*76.3-123*		*11/19/2015 21:00*	WG829803
(S) 4-Bromofluorobenzene	*102*		*69.7-129*		*11/19/2015 21:00*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0387	1	11/19/2015 00:01	WG829684
Acenaphthylene	ND		0.0387	1	11/19/2015 00:01	WG829684
Anthracene	ND		0.0387	1	11/19/2015 00:01	WG829684
Benzidine	ND	J J3	0.391	1	11/19/2015 00:01	WG829684
Benzo(a)anthracene	ND		0.0387	1	11/19/2015 00:01	WG829684
Benzo(b)fluoranthene	ND		0.0387	1	11/19/2015 00:01	WG829684
Benzo(k)fluoranthene	ND		0.0387	1	11/19/2015 00:01	WG829684
Benzo(g,h,i)perylene	ND		0.0387	1	11/19/2015 00:01	WG829684
Benzo(a)pyrene	ND		0.0387	1	11/19/2015 00:01	WG829684
Bis(2-chlorethoxy)methane	ND		0.391	1	11/19/2015 00:01	WG829684
Bis(2-chloroethyl)ether	ND		0.391	1	11/19/2015 00:01	WG829684
Bis(2-chloroisopropyl)ether	ND		0.391	1	11/19/2015 00:01	WG829684
4-Bromophenyl-phenylether	ND		0.391	1	11/19/2015 00:01	WG829684
2-Chloronaphthalene	ND		0.0387	1	11/19/2015 00:01	WG829684
4-Chlorophenyl-phenylether	ND		0.391	1	11/19/2015 00:01	WG829684
Chrysene	ND		0.0387	1	11/19/2015 00:01	WG829684
Dibenz(a,h)anthracene	ND		0.0387	1	11/19/2015 00:01	WG829684
3,3-Dichlorobenzidine	ND		0.391	1	11/19/2015 00:01	WG829684
2,4-Dinitrotoluene	ND		0.391	1	11/19/2015 00:01	WG829684
2,6-Dinitrotoluene	ND		0.391	1	11/19/2015 00:01	WG829684
Fluoranthene	ND		0.0387	1	11/19/2015 00:01	WG829684
Fluorene	ND		0.0387	1	11/19/2015 00:01	WG829684
Hexachlorobenzene	ND		0.391	1	11/19/2015 00:01	WG829684
Hexachloro-1,3-butadiene	ND		0.391	1	11/19/2015 00:01	WG829684
Hexachlorocyclopentadiene	ND	J	0.391	1	11/19/2015 00:01	WG829684
Hexachloroethane	ND		0.391	1	11/19/2015 00:01	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0387	1	11/19/2015 00:01	WG829684
Isophorone	ND		0.391	1	11/19/2015 00:01	WG829684
Naphthalene	ND		0.0387	1	11/19/2015 00:01	WG829684
Nitrobenzene	ND		0.391	1	11/19/2015 00:01	WG829684
n-Nitrosodimethylamine	ND		0.391	1	11/19/2015 00:01	WG829684
n-Nitrosodiphenylamine	ND		0.391	1	11/19/2015 00:01	WG829684
n-Nitrosodi-n-propylamine	ND		0.391	1	11/19/2015 00:01	WG829684
Phenanthrene	ND		0.0387	1	11/19/2015 00:01	WG829684
Benzylbutyl phthalate	ND		0.391	1	11/19/2015 00:01	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.391	1	11/19/2015 00:01	WG829684
Di-n-butyl phthalate	ND		0.391	1	11/19/2015 00:01	WG829684
Diethyl phthalate	ND		0.391	1	11/19/2015 00:01	WG829684
Dimethyl phthalate	ND		0.391	1	11/19/2015 00:01	WG829684
Di-n-octyl phthalate	ND		0.391	1	11/19/2015 00:01	WG829684
Pyrene	ND		0.0387	1	11/19/2015 00:01	WG829684
1,2,4-Trichlorobenzene	ND		0.391	1	11/19/2015 00:01	WG829684
4-Chloro-3-methylphenol	ND		0.391	1	11/19/2015 00:01	WG829684
2-Chlorophenol	ND		0.391	1	11/19/2015 00:01	WG829684
2,4-Dichlorophenol	ND		0.391	1	11/19/2015 00:01	WG829684
2,4-Dimethylphenol	ND	J	0.391	1	11/19/2015 00:01	WG829684
4,6-Dinitro-2-methylphenol	ND		0.391	1	11/19/2015 00:01	WG829684
2,4-Dinitrophenol	ND		0.391	1	11/19/2015 00:01	WG829684
2-Nitrophenol	ND		0.391	1	11/19/2015 00:01	WG829684
4-Nitrophenol	ND		0.391	1	11/19/2015 00:01	WG829684
Pentachlorophenol	ND		0.391	1	11/19/2015 00:01	WG829684
Phenol	ND		0.391	1	11/19/2015 00:01	WG829684
2,4,6-Trichlorophenol	ND		0.391	1	11/19/2015 00:01	WG829684
(S) 2-Fluorophenol	*74.7*		*21.1-116*		*11/19/2015 00:01*	WG829684
(S) Phenol-d5	*74.1*		*26.3-121*		*11/19/2015 00:01*	WG829684
(S) Nitrobenzene-d5	*72.4*		*21.9-129*		*11/19/2015 00:01*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*69.8*		*34.9-129*		*11/19/2015 00:01*	WG829684
(S) 2,4,6-Tribromophenol	*95.9*		*21.6-142*		*11/19/2015 00:01*	WG829684
(S) p-Terphenyl-d14	*59.0*		*21.5-128*		*11/19/2015 00:01*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.2		1	11/19/2015 09:04	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00352	1	11/27/2015 12:13	WG831458
(S) Toluene-d8	*106*		*70.0-130*		*11/27/2015 12:13*	WG831458

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.4		1	11/19/2015 09:04	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		7.01	1	11/23/2015 10:59	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.40	1	11/21/2015 19:29	WG829977
Sulfate	ND		70.1	1	11/21/2015 19:29	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0280	1	11/22/2015 09:31	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.701	5	11/22/2015 22:49	WG830499
Arsenic	ND		0.701	5	11/22/2015 22:49	WG830499
Beryllium	ND		0.701	5	11/22/2015 22:49	WG830499
Cadmium	ND		0.701	5	11/22/2015 22:49	WG830499
Chromium	3.19		0.701	5	11/22/2015 22:49	WG830499
Copper	ND		1.40	5	11/22/2015 22:49	WG830499
Lead	1.33		0.701	5	11/22/2015 22:49	WG830499
Manganese	5.63		1.40	5	11/22/2015 22:49	WG830499
Nickel	1.03		0.701	5	11/22/2015 22:49	WG830499
Selenium	ND		0.701	5	11/22/2015 22:49	WG830499
Silver	ND		1.40	5	11/22/2015 22:49	WG830499
Thallium	ND		0.701	5	11/22/2015 22:49	WG830499
Iron	1690		701	50	11/23/2015 00:57	WG830499
Zinc	ND		7.01	5	11/22/2015 22:49	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0778	1.11	11/19/2015 21:20	WG829803
Acrylonitrile	ND		0.0156	1.11	11/19/2015 21:20	WG829803
Benzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Bromobenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Bromodichloromethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Bromoform	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Bromomethane	ND		0.00778	1.11	11/19/2015 21:20	WG829803
n-Butylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
sec-Butylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
tert-Butylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Carbon tetrachloride	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Chlorobenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Chlorodibromomethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Chloroethane	ND		0.00778	1.11	11/19/2015 21:20	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0778	1.11	11/19/2015 21:20	WG829803
Chloroform	ND		0.00778	1.11	11/19/2015 21:20	WG829803
Chloromethane	ND		0.00389	1.11	11/19/2015 21:20	WG829803
2-Chlorotoluene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
4-Chlorotoluene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00778	1.11	11/19/2015 21:20	WG829803
1,2-Dibromoethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Dibromomethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,2-Dichlorobenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,3-Dichlorobenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,4-Dichlorobenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Dichlorodifluoromethane	ND		0.00778	1.11	11/19/2015 21:20	WG829803
1,1-Dichloroethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,2-Dichloroethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,1-Dichloroethene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
cis-1,2-Dichloroethene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
trans-1,2-Dichloroethene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,2-Dichloropropane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,1-Dichloropropene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,3-Dichloropropane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
cis-1,3-Dichloropropene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
trans-1,3-Dichloropropene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
2,2-Dichloropropane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Di-isopropyl ether	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Ethylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Hexachloro-1,3-butadiene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Isopropylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
p-Isopropyltoluene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
2-Butanone (MEK)	ND		0.0156	1.11	11/19/2015 21:20	WG829803
Methylene Chloride	ND		0.00778	1.11	11/19/2015 21:20	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0156	1.11	11/19/2015 21:20	WG829803
Methyl tert-butyl ether	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Naphthalene	ND	J4	0.00778	1.11	11/19/2015 21:20	WG829803
n-Propylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Styrene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Tetrachloroethene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Toluene	ND		0.00778	1.11	11/19/2015 21:20	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00156	1.11	11/19/2015 21:20	WG829803
1,2,4-Trichlorobenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,1,1-Trichloroethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,1,2-Trichloroethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Trichloroethene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Trichlorofluoromethane	ND		0.00778	1.11	11/19/2015 21:20	WG829803
1,2,3-Trichloropropane	ND		0.00389	1.11	11/19/2015 21:20	WG829803
1,2,4-Trimethylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
1,3,5-Trimethylbenzene	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Vinyl chloride	ND		0.00156	1.11	11/19/2015 21:20	WG829803
Xylenes, Total	ND		0.00467	1.11	11/19/2015 21:20	WG829803
(S) Toluene-d8	*105*		*88.7-115*		*11/19/2015 21:20*	WG829803
(S) Dibromofluoromethane	*105*		*76.3-123*		*11/19/2015 21:20*	WG829803
(S) 4-Bromofluorobenzene	*99.9*		*69.7-129*		*11/19/2015 21:20*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0462	1	11/19/2015 00:24	WG829684
Acenaphthylene	ND		0.0462	1	11/19/2015 00:24	WG829684
Anthracene	ND		0.0462	1	11/19/2015 00:24	WG829684
Benzidine	ND	J J3	0.467	1	11/19/2015 00:24	WG829684
Benzo(a)anthracene	ND		0.0462	1	11/19/2015 00:24	WG829684
Benzo(b)fluoranthene	ND		0.0462	1	11/19/2015 00:24	WG829684
Benzo(k)fluoranthene	ND		0.0462	1	11/19/2015 00:24	WG829684
Benzo(g,h,i)perylene	ND		0.0462	1	11/19/2015 00:24	WG829684
Benzo(a)pyrene	ND		0.0462	1	11/19/2015 00:24	WG829684
Bis(2-chlorethoxy)methane	ND		0.467	1	11/19/2015 00:24	WG829684
Bis(2-chloroethyl)ether	ND		0.467	1	11/19/2015 00:24	WG829684
Bis(2-chloroisopropyl)ether	ND		0.467	1	11/19/2015 00:24	WG829684
4-Bromophenyl-phenylether	ND		0.467	1	11/19/2015 00:24	WG829684
2-Chloronaphthalene	ND		0.0462	1	11/19/2015 00:24	WG829684
4-Chlorophenyl-phenylether	ND		0.467	1	11/19/2015 00:24	WG829684
Chrysene	ND		0.0462	1	11/19/2015 00:24	WG829684
Dibenz(a,h)anthracene	ND		0.0462	1	11/19/2015 00:24	WG829684
3,3-Dichlorobenzidine	ND		0.467	1	11/19/2015 00:24	WG829684
2,4-Dinitrotoluene	ND		0.467	1	11/19/2015 00:24	WG829684
2,6-Dinitrotoluene	ND		0.467	1	11/19/2015 00:24	WG829684
Fluoranthene	ND		0.0462	1	11/19/2015 00:24	WG829684
Fluorene	ND		0.0462	1	11/19/2015 00:24	WG829684
Hexachlorobenzene	ND		0.467	1	11/19/2015 00:24	WG829684
Hexachloro-1,3-butadiene	ND		0.467	1	11/19/2015 00:24	WG829684
Hexachlorocyclopentadiene	ND	J	0.467	1	11/19/2015 00:24	WG829684
Hexachloroethane	ND		0.467	1	11/19/2015 00:24	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0462	1	11/19/2015 00:24	WG829684
Isophorone	ND		0.467	1	11/19/2015 00:24	WG829684
Naphthalene	ND		0.0462	1	11/19/2015 00:24	WG829684
Nitrobenzene	ND		0.467	1	11/19/2015 00:24	WG829684
n-Nitrosodimethylamine	ND		0.467	1	11/19/2015 00:24	WG829684
n-Nitrosodiphenylamine	ND		0.467	1	11/19/2015 00:24	WG829684
n-Nitrosodi-n-propylamine	ND		0.467	1	11/19/2015 00:24	WG829684
Phenanthrene	ND		0.0462	1	11/19/2015 00:24	WG829684
Benzylbutyl phthalate	ND		0.467	1	11/19/2015 00:24	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.467	1	11/19/2015 00:24	WG829684
Di-n-butyl phthalate	ND		0.467	1	11/19/2015 00:24	WG829684
Diethyl phthalate	ND		0.467	1	11/19/2015 00:24	WG829684
Dimethyl phthalate	ND		0.467	1	11/19/2015 00:24	WG829684
Di-n-octyl phthalate	ND		0.467	1	11/19/2015 00:24	WG829684
Pyrene	ND		0.0462	1	11/19/2015 00:24	WG829684
1,2,4-Trichlorobenzene	ND		0.467	1	11/19/2015 00:24	WG829684
4-Chloro-3-methylphenol	ND		0.467	1	11/19/2015 00:24	WG829684
2-Chlorophenol	ND		0.467	1	11/19/2015 00:24	WG829684
2,4-Dichlorophenol	ND		0.467	1	11/19/2015 00:24	WG829684
2,4-Dimethylphenol	ND	J	0.467	1	11/19/2015 00:24	WG829684
4,6-Dinitro-2-methylphenol	ND		0.467	1	11/19/2015 00:24	WG829684
2,4-Dinitrophenol	ND		0.467	1	11/19/2015 00:24	WG829684
2-Nitrophenol	ND		0.467	1	11/19/2015 00:24	WG829684
4-Nitrophenol	ND		0.467	1	11/19/2015 00:24	WG829684
Pentachlorophenol	ND		0.467	1	11/19/2015 00:24	WG829684
Phenol	ND		0.467	1	11/19/2015 00:24	WG829684
2,4,6-Trichlorophenol	ND		0.467	1	11/19/2015 00:24	WG829684
(S) 2-Fluorophenol	*77.2*		*21.1-116*		*11/19/2015 00:24*	WG829684
(S) Phenol-d5	*75.6*		*26.3-121*		*11/19/2015 00:24*	WG829684
(S) Nitrobenzene-d5	*73.3*		*21.9-129*		*11/19/2015 00:24*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*73.4*		*34.9-129*		*11/19/2015 00:24*	WG829684
(S) 2,4,6-Tribromophenol	*98.1*		*21.6-142*		*11/19/2015 00:24*	WG829684
(S) p-Terphenyl-d14	*71.5*		*21.5-128*		*11/19/2015 00:24*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	71.4		1	11/19/2015 09:04	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00420	1	11/27/2015 12:33	WG831458
(S) Toluene-d8	*104*		*70.0-130*		*11/27/2015 12:33*	WG831458

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.7		1	11/19/2015 09:04	WG830083

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		6.12	1	11/23/2015 11:00	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.22	1	11/21/2015 19:52	WG829977
Sulfate	226		61.2	1	11/21/2015 19:52	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0245	1	11/22/2015 09:33	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.612	5	11/22/2015 22:51	WG830499
Arsenic	ND		0.612	5	11/22/2015 22:51	WG830499
Beryllium	ND		0.612	5	11/22/2015 22:51	WG830499
Cadmium	ND		0.612	5	11/22/2015 22:51	WG830499
Chromium	1.95		0.612	5	11/22/2015 22:51	WG830499
Copper	ND		1.22	5	11/22/2015 22:51	WG830499
Iron	1140		61.2	5	11/22/2015 22:51	WG830499
Lead	5.14		0.612	5	11/22/2015 22:51	WG830499
Manganese	3.81		1.22	5	11/22/2015 22:51	WG830499
Nickel	0.631		0.612	5	11/22/2015 22:51	WG830499
Selenium	ND		0.612	5	11/22/2015 22:51	WG830499
Silver	ND		1.22	5	11/22/2015 22:51	WG830499
Thallium	ND		0.612	5	11/22/2015 22:51	WG830499
Zinc	ND		6.12	5	11/22/2015 22:51	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0612	1	11/19/2015 21:40	WG829803
Acrylonitrile	ND		0.0122	1	11/19/2015 21:40	WG829803
Benzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Bromobenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Bromodichloromethane	ND		0.00122	1	11/19/2015 21:40	WG829803
Bromoform	ND		0.00122	1	11/19/2015 21:40	WG829803
Bromomethane	ND		0.00612	1	11/19/2015 21:40	WG829803
n-Butylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
sec-Butylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
tert-Butylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Carbon tetrachloride	ND		0.00122	1	11/19/2015 21:40	WG829803
Chlorobenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Chlorodibromomethane	ND		0.00122	1	11/19/2015 21:40	WG829803
Chloroethane	ND		0.00612	1	11/19/2015 21:40	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0612	1	11/19/2015 21:40	WG829803
Chloroform	ND		0.00612	1	11/19/2015 21:40	WG829803
Chloromethane	ND		0.00306	1	11/19/2015 21:40	WG829803
2-Chlorotoluene	ND		0.00122	1	11/19/2015 21:40	WG829803
4-Chlorotoluene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00612	1	11/19/2015 21:40	WG829803
1,2-Dibromoethane	ND		0.00122	1	11/19/2015 21:40	WG829803
Dibromomethane	ND		0.00122	1	11/19/2015 21:40	WG829803
1,2-Dichlorobenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,3-Dichlorobenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,4-Dichlorobenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Dichlorodifluoromethane	ND		0.00612	1	11/19/2015 21:40	WG829803
1,1-Dichloroethane	ND		0.00122	1	11/19/2015 21:40	WG829803
1,2-Dichloroethane	ND		0.00122	1	11/19/2015 21:40	WG829803
1,1-Dichloroethene	ND		0.00122	1	11/19/2015 21:40	WG829803
cis-1,2-Dichloroethene	ND		0.00122	1	11/19/2015 21:40	WG829803
trans-1,2-Dichloroethene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,2-Dichloropropane	ND		0.00122	1	11/19/2015 21:40	WG829803
1,1-Dichloropropene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,3-Dichloropropane	ND		0.00122	1	11/19/2015 21:40	WG829803
cis-1,3-Dichloropropene	ND		0.00122	1	11/19/2015 21:40	WG829803
trans-1,3-Dichloropropene	ND		0.00122	1	11/19/2015 21:40	WG829803
2,2-Dichloropropane	ND		0.00122	1	11/19/2015 21:40	WG829803
Di-isopropyl ether	ND		0.00122	1	11/19/2015 21:40	WG829803
Ethylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Hexachloro-1,3-butadiene	ND		0.00122	1	11/19/2015 21:40	WG829803
Isopropylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
p-Isopropyltoluene	ND		0.00122	1	11/19/2015 21:40	WG829803
2-Butanone (MEK)	ND		0.0122	1	11/19/2015 21:40	WG829803
Methylene Chloride	ND		0.00612	1	11/19/2015 21:40	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0122	1	11/19/2015 21:40	WG829803
Methyl tert-butyl ether	ND		0.00122	1	11/19/2015 21:40	WG829803
Naphthalene	ND	J4	0.00612	1	11/19/2015 21:40	WG829803
n-Propylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Styrene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00122	1	11/19/2015 21:40	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00122	1	11/19/2015 21:40	WG829803
Tetrachloroethene	ND		0.00122	1	11/19/2015 21:40	WG829803
Toluene	ND		0.00612	1	11/19/2015 21:40	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00122	1	11/19/2015 21:40	WG829803
1,2,4-Trichlorobenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,1,1-Trichloroethane	ND		0.00122	1	11/19/2015 21:40	WG829803
1,1,2-Trichloroethane	ND		0.00122	1	11/19/2015 21:40	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00122	1	11/19/2015 21:40	WG829803
Trichloroethene	ND		0.00122	1	11/19/2015 21:40	WG829803
Trichlorofluoromethane	ND		0.00612	1	11/19/2015 21:40	WG829803
1,2,3-Trichloropropane	ND		0.00306	1	11/19/2015 21:40	WG829803
1,2,4-Trimethylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
1,3,5-Trimethylbenzene	ND		0.00122	1	11/19/2015 21:40	WG829803
Vinyl chloride	ND		0.00122	1	11/19/2015 21:40	WG829803
Xylenes, Total	ND		0.00367	1	11/19/2015 21:40	WG829803
(S) Toluene-d8	*105*		*88.7-115*		*11/19/2015 21:40*	WG829803
(S) Dibromofluoromethane	*105*		*76.3-123*		*11/19/2015 21:40*	WG829803
(S) 4-Bromofluorobenzene	*99.6*		*69.7-129*		*11/19/2015 21:40*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0404	1	11/19/2015 00:48	WG829684
Acenaphthylene	ND		0.0404	1	11/19/2015 00:48	WG829684
Anthracene	ND		0.0404	1	11/19/2015 00:48	WG829684
Benzidine	ND	J J3	0.407	1	11/19/2015 00:48	WG829684
Benzo(a)anthracene	ND		0.0404	1	11/19/2015 00:48	WG829684
Benzo(b)fluoranthene	ND		0.0404	1	11/19/2015 00:48	WG829684
Benzo(k)fluoranthene	ND		0.0404	1	11/19/2015 00:48	WG829684
Benzo(g,h,i)perylene	ND		0.0404	1	11/19/2015 00:48	WG829684
Benzo(a)pyrene	ND		0.0404	1	11/19/2015 00:48	WG829684
Bis(2-chlorethoxy)methane	ND		0.407	1	11/19/2015 00:48	WG829684
Bis(2-chloroethyl)ether	ND		0.407	1	11/19/2015 00:48	WG829684
Bis(2-chloroisopropyl)ether	ND		0.407	1	11/19/2015 00:48	WG829684
4-Bromophenyl-phenylether	ND		0.407	1	11/19/2015 00:48	WG829684
2-Chloronaphthalene	ND		0.0404	1	11/19/2015 00:48	WG829684
4-Chlorophenyl-phenylether	ND		0.407	1	11/19/2015 00:48	WG829684
Chrysene	ND		0.0404	1	11/19/2015 00:48	WG829684
Dibenz(a,h)anthracene	ND		0.0404	1	11/19/2015 00:48	WG829684
3,3-Dichlorobenzidine	ND		0.407	1	11/19/2015 00:48	WG829684
2,4-Dinitrotoluene	ND		0.407	1	11/19/2015 00:48	WG829684
2,6-Dinitrotoluene	ND		0.407	1	11/19/2015 00:48	WG829684
Fluoranthene	ND		0.0404	1	11/19/2015 00:48	WG829684
Fluorene	ND		0.0404	1	11/19/2015 00:48	WG829684
Hexachlorobenzene	ND		0.407	1	11/19/2015 00:48	WG829684
Hexachloro-1,3-butadiene	ND		0.407	1	11/19/2015 00:48	WG829684
Hexachlorocyclopentadiene	ND	J	0.407	1	11/19/2015 00:48	WG829684
Hexachloroethane	ND		0.407	1	11/19/2015 00:48	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0404	1	11/19/2015 00:48	WG829684
Isophorone	ND		0.407	1	11/19/2015 00:48	WG829684
Naphthalene	ND		0.0404	1	11/19/2015 00:48	WG829684
Nitrobenzene	ND		0.407	1	11/19/2015 00:48	WG829684
n-Nitrosodimethylamine	ND		0.407	1	11/19/2015 00:48	WG829684
n-Nitrosodiphenylamine	ND		0.407	1	11/19/2015 00:48	WG829684
n-Nitrosodi-n-propylamine	ND		0.407	1	11/19/2015 00:48	WG829684
Phenanthrene	ND		0.0404	1	11/19/2015 00:48	WG829684
Benzylbutyl phthalate	ND		0.407	1	11/19/2015 00:48	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.407	1	11/19/2015 00:48	WG829684
Di-n-butyl phthalate	ND		0.407	1	11/19/2015 00:48	WG829684
Diethyl phthalate	ND		0.407	1	11/19/2015 00:48	WG829684
Dimethyl phthalate	ND		0.407	1	11/19/2015 00:48	WG829684
Di-n-octyl phthalate	ND		0.407	1	11/19/2015 00:48	WG829684
Pyrene	ND		0.0404	1	11/19/2015 00:48	WG829684
1,2,4-Trichlorobenzene	ND		0.407	1	11/19/2015 00:48	WG829684
4-Chloro-3-methylphenol	ND		0.407	1	11/19/2015 00:48	WG829684
2-Chlorophenol	ND		0.407	1	11/19/2015 00:48	WG829684
2,4-Dichlorophenol	ND		0.407	1	11/19/2015 00:48	WG829684
2,4-Dimethylphenol	ND	J	0.407	1	11/19/2015 00:48	WG829684
4,6-Dinitro-2-methylphenol	ND		0.407	1	11/19/2015 00:48	WG829684
2,4-Dinitrophenol	ND		0.407	1	11/19/2015 00:48	WG829684
2-Nitrophenol	ND		0.407	1	11/19/2015 00:48	WG829684
4-Nitrophenol	ND		0.407	1	11/19/2015 00:48	WG829684
Pentachlorophenol	ND		0.407	1	11/19/2015 00:48	WG829684
Phenol	ND		0.407	1	11/19/2015 00:48	WG829684
2,4,6-Trichlorophenol	ND		0.407	1	11/19/2015 00:48	WG829684
(S) 2-Fluorophenol	*80.2*		*21.1-116*		*11/19/2015 00:48*	WG829684
(S) Phenol-d5	*78.4*		*26.3-121*		*11/19/2015 00:48*	WG829684
(S) Nitrobenzene-d5	*81.8*		*21.9-129*		*11/19/2015 00:48*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*79.4*		*34.9-129*		*11/19/2015 00:48*	WG829684
(S) 2,4,6-Tribromophenol	*104*		*21.6-142*		*11/19/2015 00:48*	WG829684
(S) p-Terphenyl-d14	*68.3*		*21.5-128*		*11/19/2015 00:48*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.7		1	11/19/2015 09:04	WG830083

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00367	1	11/27/2015 12:53	WG831458
(S) Toluene-d8	*106*		*70.0-130*		*11/27/2015 12:53*	WG831458

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	12900		250	1	11/24/2015 15:19	WG831195

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	ND		100	1	11/18/2015 11:00	WG829750
Sulfate	ND		5000	1	11/18/2015 11:00	WG829750

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 09:55	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:39	WG830935
Arsenic	2.13		2.00	1	11/23/2015 01:39	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:39	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:39	WG830935
Chromium	ND		2.00	1	11/23/2015 01:39	WG830935
Copper	ND		5.00	1	11/23/2015 01:39	WG830935
Lead	2.45		2.00	1	11/23/2015 01:39	WG830935
Manganese	604		25.0	5	11/23/2015 13:19	WG830935
Iron	67200		5000	50	11/23/2015 11:40	WG830935
Nickel	ND		2.00	1	11/23/2015 01:39	WG830935
Selenium	ND		2.00	1	11/23/2015 01:39	WG830935
Silver	ND		2.00	1	11/23/2015 01:39	WG830935
Thallium	ND		2.00	1	11/23/2015 01:39	WG830935
Zinc	ND		25.0	1	11/23/2015 01:39	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 20:17	WG829789
Acrolein	ND		50.0	1	11/18/2015 20:17	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 20:17	WG829789
Benzene	ND		1.00	1	11/18/2015 20:17	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 20:17	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 20:17	WG829789
Bromoform	ND		1.00	1	11/18/2015 20:17	WG829789
Bromomethane	ND		5.00	1	11/18/2015 20:17	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 20:17	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 20:17	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 20:17	WG829789
Chloroethane	ND		5.00	1	11/18/2015 20:17	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 20:17	WG829789
Chloroform	ND		5.00	1	11/18/2015 20:17	WG829789
Chloromethane	ND		2.50	1	11/18/2015 20:17	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 20:17	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 20:17	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 20:17	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 20:17	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 20:17	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 20:17	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 20:17	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 20:17	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 20:17	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 20:17	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 20:17	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 20:17	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:17	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:17	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 20:17	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 20:17	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 20:17	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:17	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:17	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 20:17	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 20:17	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 20:17	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 20:17	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 20:17	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 20:17	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 20:17	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 20:17	WG829789
Naphthalene	ND		5.00	1	11/18/2015 20:17	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
Styrene	ND		1.00	1	11/18/2015 20:17	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:17	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:17	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 20:17	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 20:17	WG829789
Toluene	ND		5.00	1	11/18/2015 20:17	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 20:17	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 20:17	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 20:17	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 20:17	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 20:17	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 20:17	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 20:17	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 20:17	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 20:17	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 20:17	WG829789
(S) Toluene-d8	*108*		*90.0-115*		*11/18/2015 20:17*	WG829789
(S) Dibromofluoromethane	*107*		*79.0-121*		*11/18/2015 20:17*	WG829789
(S) 4-Bromofluorobenzene	*102*		*80.1-120*		*11/18/2015 20:17*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	1.63		1.00	1	11/20/2015 05:53	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 05:53	WG829779
Anthracene	ND		1.00	1	11/20/2015 05:53	WG829779
Benzidine	ND		10.0	1	11/20/2015 05:53	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 05:53	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 05:53	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 05:53	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 05:53	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 05:53	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 05:53	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 05:53	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 05:53	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 05:53	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 05:53	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 05:53	WG829779
Chrysene	ND		1.00	1	11/20/2015 05:53	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 05:53	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 05:53	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 05:53	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 05:53	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 05:53	WG829779
Fluorene	ND		1.00	1	11/20/2015 05:53	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 05:53	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 05:53	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 05:53	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 05:53	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 05:53	WG829779
Isophorone	ND		10.0	1	11/20/2015 05:53	WG829779
Naphthalene	ND		1.00	1	11/20/2015 05:53	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 05:53	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 05:53	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 05:53	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 05:53	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 05:53	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 05:53	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 05:53	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 05:53	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 05:53	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 05:53	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 05:53	WG829779
Pyrene	ND		1.00	1	11/20/2015 05:53	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 05:53	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 05:53	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 05:53	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 05:53	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 05:53	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 05:53	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 05:53	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 05:53	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 05:53	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 05:53	WG829779
Phenol	ND		10.0	1	11/20/2015 05:53	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 05:53	WG829779
(S) Nitrobenzene-d5	*67.1*		*21.8-123*		*11/20/2015 05:53*	WG829779
(S) 2-Fluorobiphenyl	*76.4*		*29.5-131*		*11/20/2015 05:53*	WG829779
(S) p-Terphenyl-d14	*77.0*		*29.3-137*		*11/20/2015 05:53*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*46.2*		*5.00-70.1*		*11/20/2015 05:53*	WG829779
(S) 2-Fluorophenol	*58.9*		*10.0-77.9*		*11/20/2015 05:53*	WG829779
(S) 2,4,6-Tribromophenol	*66.0*		*11.2-130*		*11/20/2015 05:53*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 13:56	WG829965
(S) Toluene-d8	*105*		*70.0-130*		*11/19/2015 13:56*	WG829965

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	399		250	1	11/24/2015 15:22	WG831195

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	497		100	1	11/18/2015 09:33	WG829750
Sulfate	9200		5000	1	11/18/2015 09:33	WG829750

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 09:57	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:41	WG830935
Arsenic	ND		2.00	1	11/23/2015 01:41	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:41	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:41	WG830935
Chromium	ND		2.00	1	11/23/2015 01:41	WG830935
Copper	15.5		5.00	1	11/23/2015 01:41	WG830935
Iron	506		100	1	11/23/2015 01:41	WG830935
Lead	2.21		2.00	1	11/23/2015 01:41	WG830935
Manganese	9.36		5.00	1	11/23/2015 01:41	WG830935
Nickel	ND		2.00	1	11/23/2015 01:41	WG830935
Selenium	ND		2.00	1	11/23/2015 01:41	WG830935
Silver	ND		2.00	1	11/23/2015 01:41	WG830935
Thallium	ND		2.00	1	11/23/2015 01:41	WG830935
Zinc	ND		25.0	1	11/23/2015 01:41	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 20:34	WG829789
Acrolein	ND		50.0	1	11/18/2015 20:34	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 20:34	WG829789
Benzene	ND		1.00	1	11/18/2015 20:34	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 20:34	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 20:34	WG829789
Bromoform	ND		1.00	1	11/18/2015 20:34	WG829789
Bromomethane	ND		5.00	1	11/18/2015 20:34	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 20:34	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 20:34	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 20:34	WG829789
Chloroethane	ND		5.00	1	11/18/2015 20:34	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 20:34	WG829789
Chloroform	ND		5.00	1	11/18/2015 20:34	WG829789
Chloromethane	ND		2.50	1	11/18/2015 20:34	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 20:34	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 20:34	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 20:34	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 20:34	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 20:34	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 20:34	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 20:34	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 20:34	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 20:34	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 20:34	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 20:34	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 20:34	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:34	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:34	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 20:34	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 20:34	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 20:34	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:34	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:34	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 20:34	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 20:34	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 20:34	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 20:34	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 20:34	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 20:34	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 20:34	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 20:34	WG829789
Naphthalene	ND		5.00	1	11/18/2015 20:34	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
Styrene	ND		1.00	1	11/18/2015 20:34	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:34	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:34	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 20:34	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 20:34	WG829789
Toluene	ND		5.00	1	11/18/2015 20:34	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 20:34	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 20:34	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 20:34	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 20:34	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 20:34	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 20:34	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 20:34	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 20:34	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 20:34	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 20:34	WG829789
(S) Toluene-d8	*106*		*90.0-115*		*11/18/2015 20:34*	WG829789
(S) Dibromofluoromethane	*111*		*79.0-121*		*11/18/2015 20:34*	WG829789
(S) 4-Bromofluorobenzene	*98.8*		*80.1-120*		*11/18/2015 20:34*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	11/20/2015 06:16	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 06:16	WG829779
Anthracene	ND		1.00	1	11/20/2015 06:16	WG829779
Benzidine	ND		10.0	1	11/20/2015 06:16	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 06:16	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 06:16	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 06:16	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 06:16	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 06:16	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 06:16	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 06:16	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 06:16	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 06:16	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 06:16	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 06:16	WG829779
Chrysene	ND		1.00	1	11/20/2015 06:16	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 06:16	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 06:16	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 06:16	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 06:16	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 06:16	WG829779
Fluorene	ND		1.00	1	11/20/2015 06:16	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 06:16	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 06:16	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 06:16	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 06:16	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 06:16	WG829779
Isophorone	ND		10.0	1	11/20/2015 06:16	WG829779
Naphthalene	ND		1.00	1	11/20/2015 06:16	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 06:16	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 06:16	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 06:16	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 06:16	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 06:16	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 06:16	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 06:16	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 06:16	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 06:16	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 06:16	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 06:16	WG829779
Pyrene	ND		1.00	1	11/20/2015 06:16	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 06:16	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 06:16	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 06:16	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 06:16	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 06:16	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 06:16	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 06:16	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 06:16	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 06:16	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 06:16	WG829779
Phenol	ND		10.0	1	11/20/2015 06:16	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 06:16	WG829779
(S) Nitrobenzene-d5	*55.7*		*21.8-123*		*11/20/2015 06:16*	WG829779
(S) 2-Fluorobiphenyl	*66.5*		*29.5-131*		*11/20/2015 06:16*	WG829779
(S) p-Terphenyl-d14	*78.4*		*29.3-137*		*11/20/2015 06:16*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*39.6*		*5.00-70.1*		*11/20/2015 06:16*	WG829779
(S) 2-Fluorophenol	*51.9*		*10.0-77.9*		*11/20/2015 06:16*	WG829779
(S) 2,4,6-Tribromophenol	*88.0*		*11.2-130*		*11/20/2015 06:16*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 14:15	WG829965
(S) Toluene-d8	*105*		*70.0-130*		*11/19/2015 14:15*	WG829965

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	8310		250	1	11/24/2015 15:24	WG831195

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	ND		100	1	11/18/2015 10:02	WG829750
Sulfate	ND		5000	1	11/18/2015 10:02	WG829750

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 10:00	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:44	WG830935
Arsenic	ND		2.00	1	11/23/2015 01:44	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:44	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:44	WG830935
Chromium	2.83		2.00	1	11/23/2015 01:44	WG830935
Copper	ND		5.00	1	11/23/2015 01:44	WG830935
Lead	ND		2.00	1	11/23/2015 01:44	WG830935
Manganese	428		25.0	5	11/23/2015 13:21	WG830935
Iron	56800		5000	50	11/23/2015 11:42	WG830935
Nickel	4.59		2.00	1	11/23/2015 01:44	WG830935
Selenium	ND		2.00	1	11/23/2015 01:44	WG830935
Silver	ND		2.00	1	11/23/2015 01:44	WG830935
Thallium	ND		2.00	1	11/23/2015 01:44	WG830935
Zinc	37.6		25.0	1	11/23/2015 01:44	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 20:51	WG829789
Acrolein	ND		50.0	1	11/18/2015 20:51	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 20:51	WG829789
Benzene	ND		1.00	1	11/18/2015 20:51	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 20:51	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 20:51	WG829789
Bromoform	ND		1.00	1	11/18/2015 20:51	WG829789
Bromomethane	ND		5.00	1	11/18/2015 20:51	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 20:51	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 20:51	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 20:51	WG829789
Chloroethane	ND		5.00	1	11/18/2015 20:51	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 20:51	WG829789
Chloroform	ND		5.00	1	11/18/2015 20:51	WG829789
Chloromethane	ND		2.50	1	11/18/2015 20:51	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 20:51	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 20:51	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 20:51	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 20:51	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 20:51	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 20:51	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 20:51	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 20:51	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 20:51	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 20:51	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 20:51	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 20:51	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:51	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 20:51	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 20:51	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 20:51	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 20:51	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:51	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 20:51	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 20:51	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 20:51	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 20:51	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 20:51	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 20:51	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 20:51	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 20:51	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 20:51	WG829789
Naphthalene	ND		5.00	1	11/18/2015 20:51	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
Styrene	ND		1.00	1	11/18/2015 20:51	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:51	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 20:51	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 20:51	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 20:51	WG829789
Toluene	ND		5.00	1	11/18/2015 20:51	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 20:51	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 20:51	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 20:51	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 20:51	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 20:51	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 20:51	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 20:51	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 20:51	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 20:51	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 20:51	WG829789
(S) Toluene-d8	*107*		*90.0-115*		*11/18/2015 20:51*	WG829789
(S) Dibromofluoromethane	*108*		*79.0-121*		*11/18/2015 20:51*	WG829789
(S) 4-Bromofluorobenzene	*95.9*		*80.1-120*		*11/18/2015 20:51*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	11/20/2015 06:40	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 06:40	WG829779
Anthracene	ND		1.00	1	11/20/2015 06:40	WG829779
Benzidine	ND		10.0	1	11/20/2015 06:40	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 06:40	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 06:40	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 06:40	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 06:40	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 06:40	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 06:40	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 06:40	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 06:40	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 06:40	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 06:40	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 06:40	WG829779
Chrysene	ND		1.00	1	11/20/2015 06:40	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 06:40	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 06:40	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 06:40	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 06:40	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 06:40	WG829779
Fluorene	ND		1.00	1	11/20/2015 06:40	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 06:40	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 06:40	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 06:40	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 06:40	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 06:40	WG829779
Isophorone	ND		10.0	1	11/20/2015 06:40	WG829779
Naphthalene	ND		1.00	1	11/20/2015 06:40	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 06:40	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 06:40	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 06:40	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 06:40	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 06:40	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 06:40	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 06:40	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 06:40	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 06:40	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 06:40	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 06:40	WG829779
Pyrene	ND		1.00	1	11/20/2015 06:40	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 06:40	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 06:40	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 06:40	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 06:40	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 06:40	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 06:40	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 06:40	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 06:40	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 06:40	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 06:40	WG829779
Phenol	ND		10.0	1	11/20/2015 06:40	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 06:40	WG829779
(S) Nitrobenzene-d5	*50.3*		*21.8-123*		*11/20/2015 06:40*	WG829779
(S) 2-Fluorobiphenyl	*64.8*		*29.5-131*		*11/20/2015 06:40*	WG829779
(S) p-Terphenyl-d14	*77.7*		*29.3-137*		*11/20/2015 06:40*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*40.5*		*5.00-70.1*		*11/20/2015 06:40*	WG829779
(S) 2-Fluorophenol	*54.6*		*10.0-77.9*		*11/20/2015 06:40*	WG829779
(S) 2,4,6-Tribromophenol	*70.7*		*11.2-130*		*11/20/2015 06:40*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 14:35	WG829965
(S) Toluene-d8	*105*		*70.0-130*		*11/19/2015 14:35*	WG829965

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	1570		250	1	11/24/2015 15:29	WG831195

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	ND		100	1	11/18/2015 10:16	WG829750
Sulfate	14200		5000	1	11/18/2015 10:16	WG829750

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 10:02	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:46	WG830935
Arsenic	6.91		2.00	1	11/23/2015 01:46	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:46	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:46	WG830935
Chromium	10.1		2.00	1	11/23/2015 01:46	WG830935
Copper	ND		5.00	1	11/23/2015 01:46	WG830935
Lead	ND		2.00	1	11/23/2015 01:46	WG830935
Manganese	64.3		5.00	1	11/23/2015 01:46	WG830935
Iron	13200		1000	10	11/23/2015 12:13	WG830935
Nickel	ND		2.00	1	11/23/2015 01:46	WG830935
Selenium	ND		2.00	1	11/23/2015 01:46	WG830935
Silver	ND		2.00	1	11/23/2015 01:46	WG830935
Thallium	ND		2.00	1	11/23/2015 01:46	WG830935
Zinc	ND		25.0	1	11/23/2015 01:46	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 21:08	WG829789
Acrolein	ND		50.0	1	11/18/2015 21:08	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 21:08	WG829789
Benzene	ND		1.00	1	11/18/2015 21:08	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 21:08	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 21:08	WG829789
Bromoform	ND		1.00	1	11/18/2015 21:08	WG829789
Bromomethane	ND		5.00	1	11/18/2015 21:08	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 21:08	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 21:08	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 21:08	WG829789
Chloroethane	ND		5.00	1	11/18/2015 21:08	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 21:08	WG829789
Chloroform	ND		5.00	1	11/18/2015 21:08	WG829789
Chloromethane	ND		2.50	1	11/18/2015 21:08	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 21:08	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 21:08	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 21:08	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 21:08	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 21:08	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 21:08	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 21:08	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 21:08	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 21:08	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 21:08	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 21:08	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 21:08	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 21:08	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 21:08	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 21:08	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 21:08	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 21:08	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 21:08	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 21:08	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 21:08	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 21:08	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 21:08	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 21:08	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 21:08	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 21:08	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 21:08	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 21:08	WG829789
Naphthalene	ND		5.00	1	11/18/2015 21:08	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
Styrene	ND		1.00	1	11/18/2015 21:08	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 21:08	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 21:08	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 21:08	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 21:08	WG829789
Toluene	ND		5.00	1	11/18/2015 21:08	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 21:08	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 21:08	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 21:08	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 21:08	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 21:08	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 21:08	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 21:08	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 21:08	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 21:08	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 21:08	WG829789
(S) Toluene-d8	*108*		*90.0-115*		*11/18/2015 21:08*	WG829789
(S) Dibromofluoromethane	*108*		*79.0-121*		*11/18/2015 21:08*	WG829789
(S) 4-Bromofluorobenzene	*98.8*		*80.1-120*		*11/18/2015 21:08*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	11/20/2015 07:03	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 07:03	WG829779
Anthracene	ND		1.00	1	11/20/2015 07:03	WG829779
Benzidine	ND		10.0	1	11/20/2015 07:03	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 07:03	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 07:03	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 07:03	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 07:03	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 07:03	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 07:03	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 07:03	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 07:03	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 07:03	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 07:03	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 07:03	WG829779
Chrysene	ND		1.00	1	11/20/2015 07:03	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 07:03	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 07:03	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 07:03	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 07:03	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 07:03	WG829779
Fluorene	ND		1.00	1	11/20/2015 07:03	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 07:03	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 07:03	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 07:03	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 07:03	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 07:03	WG829779
Isophorone	ND		10.0	1	11/20/2015 07:03	WG829779
Naphthalene	ND		1.00	1	11/20/2015 07:03	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 07:03	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 07:03	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 07:03	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 07:03	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 07:03	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 07:03	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 07:03	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 07:03	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 07:03	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 07:03	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 07:03	WG829779
Pyrene	ND		1.00	1	11/20/2015 07:03	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 07:03	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 07:03	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 07:03	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 07:03	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 07:03	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 07:03	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 07:03	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 07:03	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 07:03	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 07:03	WG829779
Phenol	ND		10.0	1	11/20/2015 07:03	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 07:03	WG829779
(S) Nitrobenzene-d5	*35.7*		*21.8-123*		*11/20/2015 07:03*	WG829779
(S) 2-Fluorobiphenyl	*49.9*		*29.5-131*		*11/20/2015 07:03*	WG829779
(S) p-Terphenyl-d14	*66.9*		*29.3-137*		*11/20/2015 07:03*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*34.2*		*5.00-70.1*		*11/20/2015 07:03*	WG829779
(S) 2-Fluorophenol	*39.5*		*10.0-77.9*		*11/20/2015 07:03*	WG829779
(S) 2,4,6-Tribromophenol	*75.0*		*11.2-130*		*11/20/2015 07:03*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 14:54	WG829965
(S) Toluene-d8	*104*		*70.0-130*		*11/19/2015 14:54*	WG829965

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		250	1	11/24/2015 15:32	WG831195

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	ND		100	1	11/17/2015 20:58	WG829559
Sulfate	ND		5000	1	11/17/2015 20:58	WG829559

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 10:05	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:48	WG830935
Arsenic	ND		2.00	1	11/23/2015 01:48	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:48	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:48	WG830935
Chromium	ND		2.00	1	11/23/2015 01:48	WG830935
Copper	ND		5.00	1	11/23/2015 01:48	WG830935
Iron	ND		100	1	11/23/2015 01:48	WG830935
Lead	ND		2.00	1	11/23/2015 01:48	WG830935
Manganese	ND		5.00	1	11/23/2015 01:48	WG830935
Nickel	ND		2.00	1	11/23/2015 01:48	WG830935
Selenium	ND		2.00	1	11/23/2015 01:48	WG830935
Silver	ND		2.00	1	11/23/2015 01:48	WG830935
Thallium	ND		2.00	1	11/23/2015 01:48	WG830935
Zinc	ND		25.0	1	11/23/2015 01:48	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 21:26	WG829789
Acrolein	ND		50.0	1	11/18/2015 21:26	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 21:26	WG829789
Benzene	ND		1.00	1	11/18/2015 21:26	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 21:26	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 21:26	WG829789
Bromoform	ND		1.00	1	11/18/2015 21:26	WG829789
Bromomethane	ND		5.00	1	11/18/2015 21:26	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 21:26	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 21:26	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 21:26	WG829789
Chloroethane	ND		5.00	1	11/18/2015 21:26	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 21:26	WG829789
Chloroform	ND		5.00	1	11/18/2015 21:26	WG829789
Chloromethane	ND		2.50	1	11/18/2015 21:26	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 21:26	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 21:26	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 21:26	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 21:26	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 21:26	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 21:26	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 21:26	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 21:26	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 21:26	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 21:26	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 21:26	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 21:26	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 21:26	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 21:26	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 21:26	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 21:26	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 21:26	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 21:26	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 21:26	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 21:26	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 21:26	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 21:26	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 21:26	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 21:26	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 21:26	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 21:26	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 21:26	WG829789
Naphthalene	ND		5.00	1	11/18/2015 21:26	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
Styrene	ND		1.00	1	11/18/2015 21:26	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 21:26	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 21:26	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 21:26	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 21:26	WG829789
Toluene	ND		5.00	1	11/18/2015 21:26	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 21:26	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 21:26	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 21:26	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 21:26	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 21:26	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 21:26	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 21:26	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 21:26	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 21:26	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 21:26	WG829789
(S) Toluene-d8	*103*		*90.0-115*		*11/18/2015 21:26*	WG829789
(S) Dibromofluoromethane	*109*		*79.0-121*		*11/18/2015 21:26*	WG829789
(S) 4-Bromofluorobenzene	*97.2*		*80.1-120*		*11/18/2015 21:26*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	11/20/2015 09:01	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 09:01	WG829779
Anthracene	ND		1.00	1	11/20/2015 09:01	WG829779
Benzidine	ND		10.0	1	11/20/2015 09:01	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 09:01	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 09:01	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 09:01	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 09:01	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 09:01	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 09:01	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 09:01	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 09:01	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 09:01	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 09:01	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 09:01	WG829779
Chrysene	ND		1.00	1	11/20/2015 09:01	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 09:01	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 09:01	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 09:01	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 09:01	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 09:01	WG829779
Fluorene	ND		1.00	1	11/20/2015 09:01	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 09:01	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 09:01	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 09:01	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 09:01	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 09:01	WG829779
Isophorone	ND		10.0	1	11/20/2015 09:01	WG829779
Naphthalene	ND		1.00	1	11/20/2015 09:01	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 09:01	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 09:01	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 09:01	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 09:01	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 09:01	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 09:01	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 09:01	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 09:01	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 09:01	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 09:01	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 09:01	WG829779
Pyrene	ND		1.00	1	11/20/2015 09:01	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 09:01	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 09:01	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 09:01	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 09:01	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 09:01	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 09:01	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 09:01	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 09:01	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 09:01	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 09:01	WG829779
Phenol	ND		10.0	1	11/20/2015 09:01	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 09:01	WG829779
(S) Nitrobenzene-d5	*54.2*		*21.8-123*		*11/20/2015 09:01*	WG829779
(S) 2-Fluorobiphenyl	*62.9*		*29.5-131*		*11/20/2015 09:01*	WG829779
(S) p-Terphenyl-d14	*76.6*		*29.3-137*		*11/20/2015 09:01*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*29.5*		*5.00-70.1*		*11/20/2015 09:01*	WG829779
(S) 2-Fluorophenol	*41.2*		*10.0-77.9*		*11/20/2015 09:01*	WG829779
(S) 2,4,6-Tribromophenol	*66.1*		*11.2-130*		*11/20/2015 09:01*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 15:14	WG829965
(S) Toluene-d8	*104*		*70.0-130*		*11/19/2015 15:14*	WG829965

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.9		1	11/19/2015 09:07	WG830087

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		6.68	1	11/23/2015 11:01	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.34	1	11/21/2015 21:01	WG829977
Sulfate	ND		66.8	1	11/21/2015 21:01	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0267	1	11/22/2015 09:36	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.668	5	11/22/2015 22:54	WG830499
Arsenic	ND		0.668	5	11/22/2015 22:54	WG830499
Beryllium	ND		0.668	5	11/22/2015 22:54	WG830499
Cadmium	ND		0.668	5	11/22/2015 22:54	WG830499
Chromium	1.44		0.668	5	11/22/2015 22:54	WG830499
Copper	ND		1.34	5	11/22/2015 22:54	WG830499
Iron	374		66.8	5	11/22/2015 22:54	WG830499
Lead	2.01		0.668	5	11/22/2015 22:54	WG830499
Manganese	ND		1.34	5	11/22/2015 22:54	WG830499
Nickel	ND		0.668	5	11/22/2015 22:54	WG830499
Selenium	ND		0.668	5	11/22/2015 22:54	WG830499
Silver	ND		1.34	5	11/22/2015 22:54	WG830499
Thallium	ND		0.668	5	11/22/2015 22:54	WG830499
Zinc	ND		6.68	5	11/22/2015 22:54	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0668	1	11/19/2015 22:00	WG829803
Acrylonitrile	ND		0.0134	1	11/19/2015 22:00	WG829803
Benzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Bromobenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Bromodichloromethane	ND		0.00134	1	11/19/2015 22:00	WG829803
Bromoform	ND		0.00134	1	11/19/2015 22:00	WG829803
Bromomethane	ND		0.00668	1	11/19/2015 22:00	WG829803
n-Butylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
sec-Butylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
tert-Butylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Carbon tetrachloride	ND		0.00134	1	11/19/2015 22:00	WG829803
Chlorobenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Chlorodibromomethane	ND		0.00134	1	11/19/2015 22:00	WG829803
Chloroethane	ND		0.00668	1	11/19/2015 22:00	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0668	1	11/19/2015 22:00	WG829803
Chloroform	ND		0.00668	1	11/19/2015 22:00	WG829803
Chloromethane	ND		0.00334	1	11/19/2015 22:00	WG829803
2-Chlorotoluene	ND		0.00134	1	11/19/2015 22:00	WG829803
4-Chlorotoluene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00668	1	11/19/2015 22:00	WG829803
1,2-Dibromoethane	ND		0.00134	1	11/19/2015 22:00	WG829803
Dibromomethane	ND		0.00134	1	11/19/2015 22:00	WG829803
1,2-Dichlorobenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,3-Dichlorobenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,4-Dichlorobenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Dichlorodifluoromethane	ND		0.00668	1	11/19/2015 22:00	WG829803
1,1-Dichloroethane	ND		0.00134	1	11/19/2015 22:00	WG829803
1,2-Dichloroethane	ND		0.00134	1	11/19/2015 22:00	WG829803
1,1-Dichloroethene	ND		0.00134	1	11/19/2015 22:00	WG829803
cis-1,2-Dichloroethene	ND		0.00134	1	11/19/2015 22:00	WG829803
trans-1,2-Dichloroethene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,2-Dichloropropane	ND		0.00134	1	11/19/2015 22:00	WG829803
1,1-Dichloropropene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,3-Dichloropropane	ND		0.00134	1	11/19/2015 22:00	WG829803
cis-1,3-Dichloropropene	ND		0.00134	1	11/19/2015 22:00	WG829803
trans-1,3-Dichloropropene	ND		0.00134	1	11/19/2015 22:00	WG829803
2,2-Dichloropropane	ND		0.00134	1	11/19/2015 22:00	WG829803
Di-isopropyl ether	ND		0.00134	1	11/19/2015 22:00	WG829803
Ethylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Hexachloro-1,3-butadiene	ND		0.00134	1	11/19/2015 22:00	WG829803
Isopropylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
p-Isopropyltoluene	ND		0.00134	1	11/19/2015 22:00	WG829803
2-Butanone (MEK)	ND		0.0134	1	11/19/2015 22:00	WG829803
Methylene Chloride	ND		0.00668	1	11/19/2015 22:00	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0134	1	11/19/2015 22:00	WG829803
Methyl tert-butyl ether	ND		0.00134	1	11/19/2015 22:00	WG829803
Naphthalene	ND	J4	0.00668	1	11/19/2015 22:00	WG829803
n-Propylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Styrene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00134	1	11/19/2015 22:00	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00134	1	11/19/2015 22:00	WG829803
Tetrachloroethene	ND		0.00134	1	11/19/2015 22:00	WG829803
Toluene	ND		0.00668	1	11/19/2015 22:00	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00134	1	11/19/2015 22:00	WG829803
1,2,4-Trichlorobenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,1,1-Trichloroethane	ND		0.00134	1	11/19/2015 22:00	WG829803
1,1,2-Trichloroethane	ND		0.00134	1	11/19/2015 22:00	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00134	1	11/19/2015 22:00	WG829803
Trichloroethene	ND		0.00134	1	11/19/2015 22:00	WG829803
Trichlorofluoromethane	ND		0.00668	1	11/19/2015 22:00	WG829803
1,2,3-Trichloropropane	ND		0.00334	1	11/19/2015 22:00	WG829803
1,2,4-Trimethylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
1,3,5-Trimethylbenzene	ND		0.00134	1	11/19/2015 22:00	WG829803
Vinyl chloride	ND		0.00134	1	11/19/2015 22:00	WG829803
Xylenes, Total	ND		0.00401	1	11/19/2015 22:00	WG829803
(S) Toluene-d8	*104*		*88.7-115*		*11/19/2015 22:00*	WG829803
(S) Dibromofluoromethane	*105*		*76.3-123*		*11/19/2015 22:00*	WG829803
(S) 4-Bromofluorobenzene	*96.6*		*69.7-129*		*11/19/2015 22:00*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0441	1	11/19/2015 01:11	WG829684
Acenaphthylene	ND		0.0441	1	11/19/2015 01:11	WG829684
Anthracene	ND		0.0441	1	11/19/2015 01:11	WG829684
Benzidine	ND	J J3	0.445	1	11/19/2015 01:11	WG829684
Benzo(a)anthracene	ND		0.0441	1	11/19/2015 01:11	WG829684
Benzo(b)fluoranthene	ND		0.0441	1	11/19/2015 01:11	WG829684
Benzo(k)fluoranthene	ND		0.0441	1	11/19/2015 01:11	WG829684
Benzo(g,h,i)perylene	ND		0.0441	1	11/19/2015 01:11	WG829684
Benzo(a)pyrene	ND		0.0441	1	11/19/2015 01:11	WG829684
Bis(2-chlorethoxy)methane	ND		0.445	1	11/19/2015 01:11	WG829684
Bis(2-chloroethyl)ether	ND		0.445	1	11/19/2015 01:11	WG829684
Bis(2-chloroisopropyl)ether	ND		0.445	1	11/19/2015 01:11	WG829684
4-Bromophenyl-phenylether	ND		0.445	1	11/19/2015 01:11	WG829684
2-Chloronaphthalene	ND		0.0441	1	11/19/2015 01:11	WG829684
4-Chlorophenyl-phenylether	ND		0.445	1	11/19/2015 01:11	WG829684
Chrysene	ND		0.0441	1	11/19/2015 01:11	WG829684
Dibenz(a,h)anthracene	ND		0.0441	1	11/19/2015 01:11	WG829684
3,3-Dichlorobenzidine	ND		0.445	1	11/19/2015 01:11	WG829684
2,4-Dinitrotoluene	ND		0.445	1	11/19/2015 01:11	WG829684
2,6-Dinitrotoluene	ND		0.445	1	11/19/2015 01:11	WG829684
Fluoranthene	ND		0.0441	1	11/19/2015 01:11	WG829684
Fluorene	ND		0.0441	1	11/19/2015 01:11	WG829684
Hexachlorobenzene	ND		0.445	1	11/19/2015 01:11	WG829684
Hexachloro-1,3-butadiene	ND		0.445	1	11/19/2015 01:11	WG829684
Hexachlorocyclopentadiene	ND	J	0.445	1	11/19/2015 01:11	WG829684
Hexachloroethane	ND		0.445	1	11/19/2015 01:11	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0441	1	11/19/2015 01:11	WG829684
Isophorone	ND		0.445	1	11/19/2015 01:11	WG829684
Naphthalene	ND		0.0441	1	11/19/2015 01:11	WG829684
Nitrobenzene	ND		0.445	1	11/19/2015 01:11	WG829684
n-Nitrosodimethylamine	ND		0.445	1	11/19/2015 01:11	WG829684
n-Nitrosodiphenylamine	ND		0.445	1	11/19/2015 01:11	WG829684
n-Nitrosodi-n-propylamine	ND		0.445	1	11/19/2015 01:11	WG829684
Phenanthrene	ND		0.0441	1	11/19/2015 01:11	WG829684
Benzylbutyl phthalate	ND		0.445	1	11/19/2015 01:11	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.445	1	11/19/2015 01:11	WG829684
Di-n-butyl phthalate	ND		0.445	1	11/19/2015 01:11	WG829684
Diethyl phthalate	ND		0.445	1	11/19/2015 01:11	WG829684
Dimethyl phthalate	ND		0.445	1	11/19/2015 01:11	WG829684
Di-n-octyl phthalate	ND		0.445	1	11/19/2015 01:11	WG829684
Pyrene	ND		0.0441	1	11/19/2015 01:11	WG829684
1,2,4-Trichlorobenzene	ND		0.445	1	11/19/2015 01:11	WG829684
4-Chloro-3-methylphenol	ND		0.445	1	11/19/2015 01:11	WG829684
2-Chlorophenol	ND		0.445	1	11/19/2015 01:11	WG829684
2,4-Dichlorophenol	ND		0.445	1	11/19/2015 01:11	WG829684
2,4-Dimethylphenol	ND	J	0.445	1	11/19/2015 01:11	WG829684
4,6-Dinitro-2-methylphenol	ND		0.445	1	11/19/2015 01:11	WG829684
2,4-Dinitrophenol	ND		0.445	1	11/19/2015 01:11	WG829684
2-Nitrophenol	ND		0.445	1	11/19/2015 01:11	WG829684
4-Nitrophenol	ND		0.445	1	11/19/2015 01:11	WG829684
Pentachlorophenol	ND		0.445	1	11/19/2015 01:11	WG829684
Phenol	ND		0.445	1	11/19/2015 01:11	WG829684
2,4,6-Trichlorophenol	ND		0.445	1	11/19/2015 01:11	WG829684
(S) 2-Fluorophenol	*81.0*		*21.1-116*		*11/19/2015 01:11*	WG829684
(S) Phenol-d5	*79.4*		*26.3-121*		*11/19/2015 01:11*	WG829684
(S) Nitrobenzene-d5	*76.9*		*21.9-129*		*11/19/2015 01:11*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*74.9*		*34.9-129*		*11/19/2015 01:11*	WG829684
(S) 2,4,6-Tribromophenol	*101*		*21.6-142*		*11/19/2015 01:11*	WG829684
(S) p-Terphenyl-d14	*77.1*		*21.5-128*		*11/19/2015 01:11*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	74.9		1	11/19/2015 09:07	WG830087

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00401	1	11/27/2015 13:13	WG831458
(S) Toluene-d8	*108*		*70.0-130*		*11/27/2015 13:13*	WG831458

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	11/19/2015 09:11	WG830087

Wet Chemistry by Method 350.1

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	ND		5.89	1	11/23/2015 11:02	WG829984

Wet Chemistry by Method 9056MOD

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Nitrate	ND		1.18	1	11/21/2015 21:24	WG829977
Sulfate	ND		58.9	1	11/21/2015 21:24	WG829977

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Mercury	ND		0.0235	1	11/22/2015 09:38	WG829954

Metals (ICPMS) by Method 6020

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Antimony	ND		0.589	5	11/22/2015 22:56	WG830499
Arsenic	ND		0.589	5	11/22/2015 22:56	WG830499
Beryllium	ND		0.589	5	11/22/2015 22:56	WG830499
Cadmium	ND		0.589	5	11/22/2015 22:56	WG830499
Chromium	3.38		0.589	5	11/22/2015 22:56	WG830499
Copper	ND		1.18	5	11/22/2015 22:56	WG830499
Lead	1.25		0.589	5	11/22/2015 22:56	WG830499
Manganese	3.64		1.18	5	11/22/2015 22:56	WG830499
Nickel	1.05		0.589	5	11/22/2015 22:56	WG830499
Selenium	ND		0.589	5	11/22/2015 22:56	WG830499
Silver	ND		1.18	5	11/22/2015 22:56	WG830499
Thallium	ND		0.589	5	11/22/2015 22:56	WG830499
Iron	1570		589	50	11/23/2015 00:59	WG830499
Zinc	ND		5.89	5	11/22/2015 22:56	WG830499

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	ND		0.0589	1	11/19/2015 23:14	WG829803
Acrylonitrile	ND		0.0118	1	11/19/2015 23:14	WG829803
Benzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Bromobenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Bromodichloromethane	ND		0.00118	1	11/19/2015 23:14	WG829803
Bromoform	ND		0.00118	1	11/19/2015 23:14	WG829803
Bromomethane	ND		0.00589	1	11/19/2015 23:14	WG829803
n-Butylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
sec-Butylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
tert-Butylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Carbon tetrachloride	ND		0.00118	1	11/19/2015 23:14	WG829803
Chlorobenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Chlorodibromomethane	ND		0.00118	1	11/19/2015 23:14	WG829803
Chloroethane	ND		0.00589	1	11/19/2015 23:14	WG829803

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
2-Chloroethyl vinyl ether	ND		0.0589	1	11/19/2015 23:14	WG829803
Chloroform	ND		0.00589	1	11/19/2015 23:14	WG829803
Chloromethane	ND		0.00294	1	11/19/2015 23:14	WG829803
2-Chlorotoluene	ND		0.00118	1	11/19/2015 23:14	WG829803
4-Chlorotoluene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,2-Dibromo-3-Chloropropane	ND	J3	0.00589	1	11/19/2015 23:14	WG829803
1,2-Dibromoethane	ND		0.00118	1	11/19/2015 23:14	WG829803
Dibromomethane	ND		0.00118	1	11/19/2015 23:14	WG829803
1,2-Dichlorobenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,3-Dichlorobenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,4-Dichlorobenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Dichlorodifluoromethane	ND		0.00589	1	11/19/2015 23:14	WG829803
1,1-Dichloroethane	ND		0.00118	1	11/19/2015 23:14	WG829803
1,2-Dichloroethane	ND		0.00118	1	11/19/2015 23:14	WG829803
1,1-Dichloroethene	ND		0.00118	1	11/19/2015 23:14	WG829803
cis-1,2-Dichloroethene	ND		0.00118	1	11/19/2015 23:14	WG829803
trans-1,2-Dichloroethene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,2-Dichloropropane	ND		0.00118	1	11/19/2015 23:14	WG829803
1,1-Dichloropropene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,3-Dichloropropane	ND		0.00118	1	11/19/2015 23:14	WG829803
cis-1,3-Dichloropropene	ND		0.00118	1	11/19/2015 23:14	WG829803
trans-1,3-Dichloropropene	ND		0.00118	1	11/19/2015 23:14	WG829803
2,2-Dichloropropane	ND		0.00118	1	11/19/2015 23:14	WG829803
Di-isopropyl ether	ND		0.00118	1	11/19/2015 23:14	WG829803
Ethylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Hexachloro-1,3-butadiene	ND		0.00118	1	11/19/2015 23:14	WG829803
Isopropylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
p-Isopropyltoluene	ND		0.00118	1	11/19/2015 23:14	WG829803
2-Butanone (MEK)	ND		0.0118	1	11/19/2015 23:14	WG829803
Methylene Chloride	ND		0.00589	1	11/19/2015 23:14	WG829803
4-Methyl-2-pentanone (MIBK)	ND		0.0118	1	11/19/2015 23:14	WG829803
Methyl tert-butyl ether	ND		0.00118	1	11/19/2015 23:14	WG829803
Naphthalene	ND	J4	0.00589	1	11/19/2015 23:14	WG829803
n-Propylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Styrene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,1,1,2-Tetrachloroethane	ND		0.00118	1	11/19/2015 23:14	WG829803
1,1,2,2-Tetrachloroethane	ND		0.00118	1	11/19/2015 23:14	WG829803
Tetrachloroethene	ND		0.00118	1	11/19/2015 23:14	WG829803
Toluene	ND		0.00589	1	11/19/2015 23:14	WG829803
1,2,3-Trichlorobenzene	ND	J4	0.00118	1	11/19/2015 23:14	WG829803
1,2,4-Trichlorobenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,1,1-Trichloroethane	ND		0.00118	1	11/19/2015 23:14	WG829803
1,1,2-Trichloroethane	ND		0.00118	1	11/19/2015 23:14	WG829803
1,1,2-Trichlorotrifluoroethane	ND		0.00118	1	11/19/2015 23:14	WG829803
Trichloroethene	ND		0.00118	1	11/19/2015 23:14	WG829803
Trichlorofluoromethane	ND		0.00589	1	11/19/2015 23:14	WG829803
1,2,3-Trichloropropane	ND		0.00294	1	11/19/2015 23:14	WG829803
1,2,4-Trimethylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
1,3,5-Trimethylbenzene	ND		0.00118	1	11/19/2015 23:14	WG829803
Vinyl chloride	ND		0.00118	1	11/19/2015 23:14	WG829803
Xylenes, Total	ND		0.00353	1	11/19/2015 23:14	WG829803
(S) Toluene-d8	*102*		*88.7-115*		*11/19/2015 23:14*	WG829803
(S) Dibromofluoromethane	*99.9*		*76.3-123*		*11/19/2015 23:14*	WG829803
(S) 4-Bromofluorobenzene	*100*		*69.7-129*		*11/19/2015 23:14*	WG829803

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	ND		0.0388	1	11/19/2015 01:34	WG829684
Acenaphthylene	ND		0.0388	1	11/19/2015 01:34	WG829684
Anthracene	ND		0.0388	1	11/19/2015 01:34	WG829684
Benzidine	ND	J J3	0.392	1	11/19/2015 01:34	WG829684
Benzo(a)anthracene	ND		0.0388	1	11/19/2015 01:34	WG829684
Benzo(b)fluoranthene	ND		0.0388	1	11/19/2015 01:34	WG829684
Benzo(k)fluoranthene	ND		0.0388	1	11/19/2015 01:34	WG829684
Benzo(g,h,i)perylene	ND		0.0388	1	11/19/2015 01:34	WG829684
Benzo(a)pyrene	ND		0.0388	1	11/19/2015 01:34	WG829684
Bis(2-chlorethoxy)methane	ND		0.392	1	11/19/2015 01:34	WG829684
Bis(2-chloroethyl)ether	ND		0.392	1	11/19/2015 01:34	WG829684
Bis(2-chloroisopropyl)ether	ND		0.392	1	11/19/2015 01:34	WG829684
4-Bromophenyl-phenylether	ND		0.392	1	11/19/2015 01:34	WG829684
2-Chloronaphthalene	ND		0.0388	1	11/19/2015 01:34	WG829684
4-Chlorophenyl-phenylether	ND		0.392	1	11/19/2015 01:34	WG829684
Chrysene	ND		0.0388	1	11/19/2015 01:34	WG829684
Dibenz(a,h)anthracene	ND		0.0388	1	11/19/2015 01:34	WG829684
3,3-Dichlorobenzidine	ND		0.392	1	11/19/2015 01:34	WG829684
2,4-Dinitrotoluene	ND		0.392	1	11/19/2015 01:34	WG829684
2,6-Dinitrotoluene	ND		0.392	1	11/19/2015 01:34	WG829684
Fluoranthene	ND		0.0388	1	11/19/2015 01:34	WG829684
Fluorene	ND		0.0388	1	11/19/2015 01:34	WG829684
Hexachlorobenzene	ND		0.392	1	11/19/2015 01:34	WG829684
Hexachloro-1,3-butadiene	ND		0.392	1	11/19/2015 01:34	WG829684
Hexachlorocyclopentadiene	ND	J	0.392	1	11/19/2015 01:34	WG829684
Hexachloroethane	ND		0.392	1	11/19/2015 01:34	WG829684
Indeno(1,2,3-cd)pyrene	ND		0.0388	1	11/19/2015 01:34	WG829684
Isophorone	ND		0.392	1	11/19/2015 01:34	WG829684
Naphthalene	ND		0.0388	1	11/19/2015 01:34	WG829684
Nitrobenzene	ND		0.392	1	11/19/2015 01:34	WG829684
n-Nitrosodimethylamine	ND		0.392	1	11/19/2015 01:34	WG829684
n-Nitrosodiphenylamine	ND		0.392	1	11/19/2015 01:34	WG829684
n-Nitrosodi-n-propylamine	ND		0.392	1	11/19/2015 01:34	WG829684
Phenanthrene	ND		0.0388	1	11/19/2015 01:34	WG829684
Benzylbutyl phthalate	ND		0.392	1	11/19/2015 01:34	WG829684
Bis(2-ethylhexyl)phthalate	ND		0.392	1	11/19/2015 01:34	WG829684
Di-n-butyl phthalate	ND		0.392	1	11/19/2015 01:34	WG829684
Diethyl phthalate	ND		0.392	1	11/19/2015 01:34	WG829684
Dimethyl phthalate	ND		0.392	1	11/19/2015 01:34	WG829684
Di-n-octyl phthalate	ND		0.392	1	11/19/2015 01:34	WG829684
Pyrene	ND		0.0388	1	11/19/2015 01:34	WG829684
1,2,4-Trichlorobenzene	ND		0.392	1	11/19/2015 01:34	WG829684
4-Chloro-3-methylphenol	ND		0.392	1	11/19/2015 01:34	WG829684
2-Chlorophenol	ND		0.392	1	11/19/2015 01:34	WG829684
2,4-Dichlorophenol	ND		0.392	1	11/19/2015 01:34	WG829684
2,4-Dimethylphenol	ND	J	0.392	1	11/19/2015 01:34	WG829684
4,6-Dinitro-2-methylphenol	ND		0.392	1	11/19/2015 01:34	WG829684
2,4-Dinitrophenol	ND		0.392	1	11/19/2015 01:34	WG829684
2-Nitrophenol	ND		0.392	1	11/19/2015 01:34	WG829684
4-Nitrophenol	ND		0.392	1	11/19/2015 01:34	WG829684
Pentachlorophenol	ND		0.392	1	11/19/2015 01:34	WG829684
Phenol	ND		0.392	1	11/19/2015 01:34	WG829684
2,4,6-Trichlorophenol	ND		0.392	1	11/19/2015 01:34	WG829684
(S) 2-Fluorophenol	*78.8*		*21.1-116*		*11/19/2015 01:34*	WG829684
(S) Phenol-d5	*77.5*		*26.3-121*		*11/19/2015 01:34*	WG829684
(S) Nitrobenzene-d5	*75.3*		*21.9-129*		*11/19/2015 01:34*	WG829684

Semi Volatile Organic Compounds (GC/MS) by Method 8270D

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*72.4*		*34.9-129*		*11/19/2015 01:34*	WG829684
(S) 2,4,6-Tribromophenol	*97.5*		*21.6-142*		*11/19/2015 01:34*	WG829684
(S) p-Terphenyl-d14	*67.0*		*21.5-128*		*11/19/2015 01:34*	WG829684

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.0		1	11/19/2015 09:11	WG830087

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		0.00353	1	11/27/2015 13:33	WG831458
(S) Toluene-d8	*107*		*70.0-130*		*11/27/2015 13:33*	WG831458

Wet Chemistry by Method 350.1

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Ammonia Nitrogen	423		250	1	11/24/2015 15:34	WG831195

Wet Chemistry by Method 9056MOD

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Nitrate	382		100	1	11/18/2015 10:45	WG829750
Sulfate	10300		5000	1	11/18/2015 10:45	WG829750

Mercury by Method 7470A

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.200	1	11/20/2015 10:07	WG829773

Metals (ICPMS) by Method 6020

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Antimony	ND		2.00	1	11/23/2015 01:55	WG830935
Arsenic	ND		2.00	1	11/23/2015 01:55	WG830935
Beryllium	ND		2.00	1	11/23/2015 01:55	WG830935
Cadmium	ND		1.00	1	11/23/2015 01:55	WG830935
Chromium	ND		2.00	1	11/23/2015 01:55	WG830935
Copper	8.76		5.00	1	11/23/2015 01:55	WG830935
Iron	413		100	1	11/23/2015 01:55	WG830935
Lead	3.07		2.00	1	11/23/2015 01:55	WG830935
Manganese	13.9		5.00	1	11/23/2015 01:55	WG830935
Nickel	ND		2.00	1	11/23/2015 01:55	WG830935
Selenium	ND		2.00	1	11/23/2015 01:55	WG830935
Silver	ND		2.00	1	11/23/2015 01:55	WG830935
Thallium	ND		2.00	1	11/23/2015 01:55	WG830935
Zinc	ND		25.0	1	11/23/2015 01:55	WG830935

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 21:43	WG829789
Acrolein	ND		50.0	1	11/18/2015 21:43	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 21:43	WG829789
Benzene	ND		1.00	1	11/18/2015 21:43	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 21:43	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 21:43	WG829789
Bromoform	ND		1.00	1	11/18/2015 21:43	WG829789
Bromomethane	ND		5.00	1	11/18/2015 21:43	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 21:43	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 21:43	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 21:43	WG829789
Chloroethane	ND		5.00	1	11/18/2015 21:43	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 21:43	WG829789
Chloroform	ND		5.00	1	11/18/2015 21:43	WG829789
Chloromethane	ND		2.50	1	11/18/2015 21:43	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 21:43	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 21:43	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 21:43	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 21:43	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 21:43	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 21:43	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 21:43	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 21:43	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 21:43	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 21:43	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 21:43	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 21:43	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 21:43	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 21:43	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 21:43	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 21:43	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 21:43	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 21:43	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 21:43	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 21:43	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 21:43	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 21:43	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 21:43	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 21:43	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 21:43	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 21:43	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 21:43	WG829789
Naphthalene	ND		5.00	1	11/18/2015 21:43	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
Styrene	ND		1.00	1	11/18/2015 21:43	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 21:43	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 21:43	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 21:43	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 21:43	WG829789
Toluene	ND		5.00	1	11/18/2015 21:43	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 21:43	WG829789
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 21:43	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 21:43	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 21:43	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 21:43	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 21:43	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 21:43	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 21:43	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 21:43	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 21:43	WG829789
(S) Toluene-d8	*107*		*90.0-115*		*11/18/2015 21:43*	WG829789
(S) Dibromofluoromethane	*112*		*79.0-121*		*11/18/2015 21:43*	WG829789
(S) 4-Bromofluorobenzene	*103*		*80.1-120*		*11/18/2015 21:43*	WG829789

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acenaphthene	ND		1.00	1	11/20/2015 07:27	WG829779
Acenaphthylene	ND		1.00	1	11/20/2015 07:27	WG829779
Anthracene	ND		1.00	1	11/20/2015 07:27	WG829779
Benzidine	ND		10.0	1	11/20/2015 07:27	WG829779
Benzo(a)anthracene	ND		1.00	1	11/20/2015 07:27	WG829779
Benzo(b)fluoranthene	ND		1.00	1	11/20/2015 07:27	WG829779
Benzo(k)fluoranthene	ND		1.00	1	11/20/2015 07:27	WG829779
Benzo(g,h,i)perylene	ND		1.00	1	11/20/2015 07:27	WG829779
Benzo(a)pyrene	ND		1.00	1	11/20/2015 07:27	WG829779
Bis(2-chlorethoxy)methane	ND		10.0	1	11/20/2015 07:27	WG829779
Bis(2-chloroethyl)ether	ND		10.0	1	11/20/2015 07:27	WG829779
Bis(2-chloroisopropyl)ether	ND		10.0	1	11/20/2015 07:27	WG829779
4-Bromophenyl-phenylether	ND		10.0	1	11/20/2015 07:27	WG829779
2-Chloronaphthalene	ND		1.00	1	11/20/2015 07:27	WG829779
4-Chlorophenyl-phenylether	ND		10.0	1	11/20/2015 07:27	WG829779
Chrysene	ND		1.00	1	11/20/2015 07:27	WG829779
Dibenz(a,h)anthracene	ND		1.00	1	11/20/2015 07:27	WG829779
3,3-Dichlorobenzidine	ND		10.0	1	11/20/2015 07:27	WG829779
2,4-Dinitrotoluene	ND		10.0	1	11/20/2015 07:27	WG829779
2,6-Dinitrotoluene	ND		10.0	1	11/20/2015 07:27	WG829779
Fluoranthene	ND		1.00	1	11/20/2015 07:27	WG829779
Fluorene	ND		1.00	1	11/20/2015 07:27	WG829779
Hexachlorobenzene	ND		1.00	1	11/20/2015 07:27	WG829779
Hexachloro-1,3-butadiene	ND		10.0	1	11/20/2015 07:27	WG829779
Hexachlorocyclopentadiene	ND		10.0	1	11/20/2015 07:27	WG829779
Hexachloroethane	ND		10.0	1	11/20/2015 07:27	WG829779
Indeno(1,2,3-cd)pyrene	ND		1.00	1	11/20/2015 07:27	WG829779
Isophorone	ND		10.0	1	11/20/2015 07:27	WG829779
Naphthalene	ND		1.00	1	11/20/2015 07:27	WG829779
Nitrobenzene	ND		10.0	1	11/20/2015 07:27	WG829779
n-Nitrosodimethylamine	ND		10.0	1	11/20/2015 07:27	WG829779
n-Nitrosodiphenylamine	ND		10.0	1	11/20/2015 07:27	WG829779
n-Nitrosodi-n-propylamine	ND		10.0	1	11/20/2015 07:27	WG829779
Phenanthrene	ND		1.00	1	11/20/2015 07:27	WG829779
Benzylbutyl phthalate	ND		3.00	1	11/20/2015 07:27	WG829779
Bis(2-ethylhexyl)phthalate	ND		3.00	1	11/20/2015 07:27	WG829779
Di-n-butyl phthalate	ND		3.00	1	11/20/2015 07:27	WG829779
Diethyl phthalate	ND		3.00	1	11/20/2015 07:27	WG829779
Dimethyl phthalate	ND		3.00	1	11/20/2015 07:27	WG829779
Di-n-octyl phthalate	ND		3.00	1	11/20/2015 07:27	WG829779
Pyrene	ND		1.00	1	11/20/2015 07:27	WG829779
1,2,4-Trichlorobenzene	ND		10.0	1	11/20/2015 07:27	WG829779
4-Chloro-3-methylphenol	ND		10.0	1	11/20/2015 07:27	WG829779
2-Chlorophenol	ND		10.0	1	11/20/2015 07:27	WG829779
2,4-Dichlorophenol	ND		10.0	1	11/20/2015 07:27	WG829779
2,4-Dimethylphenol	ND		10.0	1	11/20/2015 07:27	WG829779
4,6-Dinitro-2-methylphenol	ND	J3	10.0	1	11/20/2015 07:27	WG829779
2,4-Dinitrophenol	ND	J3 J4	10.0	1	11/20/2015 07:27	WG829779
2-Nitrophenol	ND		10.0	1	11/20/2015 07:27	WG829779
4-Nitrophenol	ND	J3 J4	10.0	1	11/20/2015 07:27	WG829779
Pentachlorophenol	ND	J3	10.0	1	11/20/2015 07:27	WG829779
Phenol	ND		10.0	1	11/20/2015 07:27	WG829779
2,4,6-Trichlorophenol	ND	J3	10.0	1	11/20/2015 07:27	WG829779
(S) Nitrobenzene-d5	*58.9*		*21.8-123*		*11/20/2015 07:27*	WG829779
(S) 2-Fluorobiphenyl	*66.4*		*29.5-131*		*11/20/2015 07:27*	WG829779
(S) p-Terphenyl-d14	*85.9*		*29.3-137*		*11/20/2015 07:27*	WG829779

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
(S) Phenol-d5	*38.9*		*5.00-70.1*		*11/20/2015 07:27*	WG829779
(S) 2-Fluorophenol	*51.6*		*10.0-77.9*		*11/20/2015 07:27*	WG829779
(S) 2,4,6-Tribromophenol	*74.9*		*11.2-130*		*11/20/2015 07:27*	WG829779

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,4-Dioxane	ND		3.00	1	11/19/2015 15:33	WG829965
(S) Toluene-d8	*105*		*70.0-130*		*11/19/2015 15:33*	WG829965

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
Acetone	ND		50.0	1	11/18/2015 19:25	WG829789
Acrolein	ND		50.0	1	11/18/2015 19:25	WG829789
Acrylonitrile	ND		10.0	1	11/18/2015 19:25	WG829789
Benzene	ND		1.00	1	11/18/2015 19:25	WG829789
Bromobenzene	ND		1.00	1	11/18/2015 19:25	WG829789
Bromodichloromethane	ND		1.00	1	11/18/2015 19:25	WG829789
Bromoform	ND		1.00	1	11/18/2015 19:25	WG829789
Bromomethane	ND		5.00	1	11/18/2015 19:25	WG829789
n-Butylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
sec-Butylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
tert-Butylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
Carbon tetrachloride	ND		1.00	1	11/18/2015 19:25	WG829789
Chlorobenzene	ND		1.00	1	11/18/2015 19:25	WG829789
Chlorodibromomethane	ND		1.00	1	11/18/2015 19:25	WG829789
Chloroethane	ND		5.00	1	11/18/2015 19:25	WG829789
2-Chloroethyl vinyl ether	ND	J4	50.0	1	11/18/2015 19:25	WG829789
Chloroform	ND		5.00	1	11/18/2015 19:25	WG829789
Chloromethane	ND		2.50	1	11/18/2015 19:25	WG829789
2-Chlorotoluene	ND		1.00	1	11/18/2015 19:25	WG829789
4-Chlorotoluene	ND		1.00	1	11/18/2015 19:25	WG829789
1,2-Dibromo-3-Chloropropane	ND		5.00	1	11/18/2015 19:25	WG829789
1,2-Dibromoethane	ND		1.00	1	11/18/2015 19:25	WG829789
Dibromomethane	ND		1.00	1	11/18/2015 19:25	WG829789
1,2-Dichlorobenzene	ND		1.00	1	11/18/2015 19:25	WG829789
1,3-Dichlorobenzene	ND		1.00	1	11/18/2015 19:25	WG829789
1,4-Dichlorobenzene	ND		1.00	1	11/18/2015 19:25	WG829789
Dichlorodifluoromethane	ND		5.00	1	11/18/2015 19:25	WG829789
1,1-Dichloroethane	ND		1.00	1	11/18/2015 19:25	WG829789
1,2-Dichloroethane	ND		1.00	1	11/18/2015 19:25	WG829789
1,1-Dichloroethene	ND		1.00	1	11/18/2015 19:25	WG829789
cis-1,2-Dichloroethene	ND		1.00	1	11/18/2015 19:25	WG829789
trans-1,2-Dichloroethene	ND		1.00	1	11/18/2015 19:25	WG829789
1,2-Dichloropropane	ND		1.00	1	11/18/2015 19:25	WG829789
1,1-Dichloropropene	ND		1.00	1	11/18/2015 19:25	WG829789
1,3-Dichloropropane	ND		1.00	1	11/18/2015 19:25	WG829789
cis-1,3-Dichloropropene	ND		1.00	1	11/18/2015 19:25	WG829789
trans-1,3-Dichloropropene	ND		1.00	1	11/18/2015 19:25	WG829789
2,2-Dichloropropane	ND		1.00	1	11/18/2015 19:25	WG829789
Di-isopropyl ether	ND		1.00	1	11/18/2015 19:25	WG829789
Ethylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
Hexachloro-1,3-butadiene	ND		1.00	1	11/18/2015 19:25	WG829789
Isopropylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
p-Isopropyltoluene	ND		1.00	1	11/18/2015 19:25	WG829789
2-Butanone (MEK)	ND		10.0	1	11/18/2015 19:25	WG829789
Methylene Chloride	ND		5.00	1	11/18/2015 19:25	WG829789
4-Methyl-2-pentanone (MIBK)	ND		10.0	1	11/18/2015 19:25	WG829789
Methyl tert-butyl ether	ND		1.00	1	11/18/2015 19:25	WG829789
Naphthalene	ND		5.00	1	11/18/2015 19:25	WG829789
n-Propylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
Styrene	ND		1.00	1	11/18/2015 19:25	WG829789
1,1,1,2-Tetrachloroethane	ND		1.00	1	11/18/2015 19:25	WG829789
1,1,2,2-Tetrachloroethane	ND		1.00	1	11/18/2015 19:25	WG829789
1,1,2-Trichlorotrifluoroethane	ND		1.00	1	11/18/2015 19:25	WG829789
Tetrachloroethene	ND		1.00	1	11/18/2015 19:25	WG829789
Toluene	ND		5.00	1	11/18/2015 19:25	WG829789
1,2,3-Trichlorobenzene	ND		1.00	1	11/18/2015 19:25	WG829789

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result ug/l	Qualifier	RDL ug/l	Dilution	Analysis date / time	Batch
1,2,4-Trichlorobenzene	ND		1.00	1	11/18/2015 19:25	WG829789
1,1,1-Trichloroethane	ND		1.00	1	11/18/2015 19:25	WG829789
1,1,2-Trichloroethane	ND		1.00	1	11/18/2015 19:25	WG829789
Trichloroethene	ND		1.00	1	11/18/2015 19:25	WG829789
Trichlorofluoromethane	ND		5.00	1	11/18/2015 19:25	WG829789
1,2,3-Trichloropropane	ND		2.50	1	11/18/2015 19:25	WG829789
1,2,4-Trimethylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
1,2,3-Trimethylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
1,3,5-Trimethylbenzene	ND		1.00	1	11/18/2015 19:25	WG829789
Vinyl chloride	ND		1.00	1	11/18/2015 19:25	WG829789
Xylenes, Total	ND		3.00	1	11/18/2015 19:25	WG829789
(S) Toluene-d8	*107*		*90.0-115*		*11/18/2015 19:25*	WG829789
(S) Dibromofluoromethane	*111*		*79.0-121*		*11/18/2015 19:25*	WG829789
(S) 4-Bromofluorobenzene	*104*		*80.1-120*		*11/18/2015 19:25*	WG829789

Method Blank (MB)

(MB) 11/19/15 08:59

Analyte	MB Result	MB Qualifier	MB RDL
	%		%
Total Solids	0.000600		

L801382-11 Original Sample (OS) • Duplicate (DUP)

(OS) 11/19/15 09:01 • (DUP) 11/19/15 09:01

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	%	%		%		%
Total Solids	83.0	83.8	1	0.968		5

Laboratory Control Sample (LCS)

(LCS) 11/19/15 09:00

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) 11/19/15 09:07

Analyte	MB Result %	MB Qualifier	MB RDL %
Total Solids	0.00110		

L801418-01 Original Sample (OS) • Duplicate (DUP)

(OS) 11/19/15 09:11 • (DUP) 11/19/15 09:11

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	79.0	78.3	1	0.913		5

Laboratory Control Sample (LCS)

(LCS) 11/19/15 09:07

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) 11/23/15 10:34

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Ammonia Nitrogen	ND		5.00

L801166-01 Original Sample (OS) • Duplicate (DUP)

(OS) 11/23/15 10:42 • (DUP) 11/23/15 10:43

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	ND	1	0.000		20

L801404-01 Original Sample (OS) • Duplicate (DUP)

(OS) 11/23/15 11:03 • (DUP) 11/23/15 11:04

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	132	140	1	6.00		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/23/15 10:37 • (LCSD) 11/23/15 10:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	514	565	570	110	111	70.0-130			1.00	20

L801382-17 Original Sample (OS) • Matrix Spike (MS)

(OS) 11/23/15 10:40 • (MS) 11/23/15 10:41

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	500	ND	489	98.0	1	80.0-120	

L801166-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/23/15 11:06 • (MS) 11/23/15 11:07 • (MSD) 11/23/15 11:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	500	6.15	395	371	78.0	73.0	1	80.0-120	J6	J6	6.00	20

Method Blank (MB)

(MB) 11/23/15 18:52

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Ammonia Nitrogen	ND		0.250

L801365-01 Original Sample (OS) • Duplicate (DUP)

(OS) 11/23/15 19:42 • (DUP) 11/23/15 19:44

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	-0.0850	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/23/15 18:57 • (LCSD) 11/23/15 18:59

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	7.50	7.74	7.33	103	98	90-110			6	20

L801103-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 11/23/15 19:14 • (MS) 11/23/15 19:17

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	10.0	3.36	12.8	95	1	90-110	

L801365-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/23/15 19:47 • (MS) 11/23/15 19:49 • (MSD) 11/23/15 19:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	10.0	ND	11.0	10.4	110	104	1	90-110			5	20

Method Blank (MB)

(MB) 11/24/15 14:59

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Ammonia Nitrogen	ND		0.250

L800052-01 Original Sample (OS) • Duplicate (DUP)

(OS) 11/24/15 15:14 • (DUP) 11/24/15 15:17

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	6.69	7.74	1	15		20

L801535-02 Original Sample (OS) • Duplicate (DUP)

(OS) 11/24/15 15:59 • (DUP) 11/24/15 16:02

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Ammonia Nitrogen	ND	-0.0300	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/24/15 15:07 • (LCSD) 11/24/15 15:09

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	7.50	7.11	7.09	95	94	90-110			0	20

L801437-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 11/24/15 15:37 • (MS) 11/24/15 15:39

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Ammonia Nitrogen	10.0	ND	9.14	91	1	90-110	

L801535-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/24/15 16:04 • (MS) 11/24/15 16:07 • (MSD) 11/24/15 16:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Ammonia Nitrogen	10.0	ND	9.14	9.08	91	91	1	90-110			1	20

Method Blank (MB)

(MB) 11/17/15 10:46

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Nitrate	ND		0.100
Sulfate	ND		5.00

L801347-03 Original Sample (OS) • Duplicate (DUP)

(OS) 11/17/15 13:53 • (DUP) 11/17/15 14:09

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	0.194	0.190	1	2		20
Sulfate	29.1	29.1	1	0		20

L801365-03 Original Sample (OS) • Duplicate (DUP)

(OS) 11/17/15 19:57 • (DUP) 11/17/15 20:12

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	3.09	3.10	1	0		20
Sulfate	0.709	0.677	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/17/15 11:01 • (LCSD) 11/17/15 11:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate	8.00	8.02	8.00	100	100	90-110			0	20
Sulfate	40.0	39.8	39.8	99	99	90-110			0	20

L801365-01 Original Sample (OS) • Matrix Spike (MS)

(OS) 11/17/15 14:39 • (MS) 11/17/15 14:55

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5.00	1.31	6.57	105	1	80-120	
Sulfate	50.0	10.9	61.1	100	1	80-120	

L801365-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/17/15 19:10 • (MS) 11/17/15 19:26 • (MSD) 11/17/15 19:41

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate	5.00	3.45	9.04	8.95	112	110	1	80-120			1	20
Sulfate	50.0	16.5	67.4	66.4	102	100	1	80-120			1	20

Method Blank (MB)

(MB) 11/18/15 06:28

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Nitrate	ND		0.100
Sulfate	ND		5.00

L801382-27 Original Sample (OS) • Duplicate (DUP)

(OS) 11/18/15 09:33 • (DUP) 11/18/15 12:26

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	0.497	0.499	1	0		20
Sulfate	9.20	9.24	1	0		20

L801633-02 Original Sample (OS) • Duplicate (DUP)

(OS) 11/18/15 14:24 • (DUP) 11/18/15 14:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	0.629	0.624	1	1		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/18/15 06:43 • (LCSD) 11/18/15 07:24

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate	8.00	7.97	8.07	100	101	90-110			1	20
Sulfate	40.0	40.0	40.4	100	101	90-110			1	20

L801382-29 Original Sample (OS) • Matrix Spike (MS)

(OS) 11/18/15 10:02 • (MS) 11/18/15 11:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate	5.00	ND	4.72	94	1	80-120	
Sulfate	50.0	ND	48.4	97	1	80-120	

L801633-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/18/15 16:21 • (MS) 11/18/15 16:36 • (MSD) 11/18/15 16:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate	5.00	ND	4.76	4.87	95	97	1	80-120			2	20
Sulfate	50.0	ND	48.5	48.5	97	97	1	80-120			0	20

Method Blank (MB)

(MB) 11/21/15 14:08

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Nitrate	ND		1.00
Sulfate	ND		50.0

L801382-09 Original Sample (OS) • Duplicate (DUP)

(OS) 11/21/15 16:49 • (DUP) 11/21/15 17:12

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	0.344	0.342	1	0		20
Sulfate	3.86	3.81	1	0		20

L801404-01 Original Sample (OS) • Duplicate (DUP)

(OS) 11/21/15 22:32 • (DUP) 11/21/15 22:55

Analyte	Original Result mg/kg	DUP Result mg/kg	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate	ND	0.000	1	0		20
Sulfate	155	155	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/21/15 14:31 • (LCSD) 11/21/15 14:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Nitrate	20.0	20.1	20.1	101	101	80-120			0	20
Sulfate	200	205	205	102	102	80-120			0	20

L801382-37 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/21/15 21:24 • (MS) 11/21/15 21:47 • (MSD) 11/21/15 22:10

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate	50.0	0.372	53.9	54.0	107	107	1	80-120			0	20
Sulfate	500	11.3	559	560	110	110	1	80-120			0	20

Method Blank (MB)

(MB) 11/20/15 09:01

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Mercury	ND		0.000200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/20/15 09:04 • (LCSD) 11/20/15 09:06

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	0.00271	0.00291	90	97	80-120			7	20

L801101-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/20/15 09:09 • (MS) 11/20/15 09:14 • (MSD) 11/20/15 09:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00300	ND	0.00292	0.00301	97	100	1	75-125			3	20

Method Blank (MB)

(MB) 11/22/15 08:50

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Mercury	ND		0.0200

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/22/15 08:52 • (LCSD) 11/22/15 08:55

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.263	0.294	88	98	80-120			11	20

L801623-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/22/15 08:57 • (MS) 11/22/15 09:00 • (MSD) 11/22/15 09:02

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.300	0.00374	0.266	0.289	87	95	1	75-125			8	20

Method Blank (MB)

(MB) 11/22/15 20:56

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Antimony	ND		0.500
Arsenic	ND		0.500
Beryllium	ND		0.500
Cadmium	ND		0.500
Chromium	ND		0.500
Copper	ND		1.00
Iron	ND		50.0
Lead	ND		0.500
Manganese	ND		1.00
Nickel	ND		0.500
Selenium	ND		0.500
Silver	ND		1.00
Thallium	ND		0.500
Zinc	ND		5.00

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/22/15 20:59 • (LCSD) 11/22/15 21:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Antimony	100	97.8	105	98	105	80-120			7	20
Arsenic	100	94.6	103	95	103	80-120			9	20
Beryllium	100	94.8	103	95	103	80-120			9	20
Cadmium	100	97.6	106	98	106	80-120			8	20
Chromium	100	96.7	103	97	103	80-120			7	20
Copper	100	98.9	107	99	107	80-120			7	20
Iron	1000	967	1030	97	103	80-120			7	20
Lead	100	94.0	100	94	100	80-120			7	20
Manganese	100	94.9	101	95	101	80-120			6	20
Nickel	100	98.5	106	99	106	80-120			8	20
Selenium	100	94.7	101	95	101	80-120			6	20
Silver	100	98.1	106	98	106	80-120			8	20
Thallium	100	93.1	99.9	93	100	80-120			7	20
Zinc	100	95.8	103	96	103	80-120			7	20

L801382-15 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/22/15 21:03 • (MS) 11/22/15 21:08 • (MSD) 11/22/15 21:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	20.0	0.0519	96.7	98.6	97	99	5	75-125			2	20
Arsenic	20.0	0.240	102	98.8	102	99	5	75-125			3	20
Beryllium	20.0	0.0702	100	100	100	100	5	75-125			0	20
Cadmium	20.0	0.0552	104	102	104	102	5	75-125			3	20
Chromium	20.0	1.88	103	100	101	98	5	75-125			2	20
Copper	20.0	0.357	103	102	102	102	5	75-125			1	20
Iron	200	992	2350	1630	135	63	5	75-125	J5	J3 J6	36	20
Lead	20.0	0.821	98.9	98.3	98	97	5	75-125			1	20
Manganese	20.0	2.54	101	98.1	99	96	5	75-125			3	20
Nickel	20.0	0.598	103	103	102	102	5	75-125			0	20
Selenium	20.0	0.0988	97.4	93.8	97	94	5	75-125			4	20
Silver	20.0	0.141	102	102	102	102	5	75-125			0	20
Thallium	20.0	0.0857	96.7	96.6	97	96	5	75-125			0	20
Zinc	20.0	2.75	102	101	99	98	5	75-125			1	20

Method Blank (MB)

(MB) 11/23/15 01:06

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Antimony	ND		0.00200
Arsenic	ND		0.00200
Beryllium	ND		0.00200
Cadmium	ND		0.00100
Chromium	ND		0.00200
Copper	ND		0.00500
Iron	ND		0.100
Lead	ND		0.00200
Manganese	ND		0.00500
Nickel	ND		0.00200
Selenium	ND		0.00200
Silver	ND		0.00200
Thallium	ND		0.00200
Zinc	ND		0.0250

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/23/15 01:09 • (LCSD) 11/23/15 01:11

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Antimony	0.0500	0.0501	0.0494	100	99	80-120			1	20
Arsenic	0.0500	0.0492	0.0483	98	97	80-120			2	20
Beryllium	0.0500	0.0521	0.0526	104	105	80-120			1	20
Cadmium	0.0500	0.0507	0.0493	101	99	80-120			3	20
Chromium	0.0500	0.0516	0.0515	103	103	80-120			0	20
Copper	0.0500	0.0537	0.0532	107	106	80-120			1	20
Iron	5.00	4.97	4.96	99	99	80-120			0	20
Lead	0.0500	0.0481	0.0490	96	98	80-120			2	20
Manganese	0.0500	0.0495	0.0505	99	101	80-120			2	20
Nickel	0.0500	0.0524	0.0531	105	106	80-120			1	20
Selenium	0.0500	0.0502	0.0489	100	98	80-120			3	20
Silver	0.0500	0.0513	0.0511	103	102	80-120			0	20
Thallium	0.0500	0.0483	0.0487	97	97	80-120			1	20
Zinc	0.0500	0.0509	0.0521	102	104	80-120			2	20

L801558-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/23/15 01:13 • (MS) 11/23/15 01:18 • (MSD) 11/23/15 01:20

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Antimony	0.0500	0.000263	0.0512	0.0520	102	103	1	75-125			2	20
Arsenic	0.0500	0.00243	0.0515	0.0531	98	101	1	75-125			3	20
Beryllium	0.0500	0.0000237	0.0526	0.0520	105	104	1	75-125			1	20
Cadmium	0.0500	0.0000835	0.0505	0.0516	101	103	1	75-125			2	20
Chromium	0.0500	0.00182	0.0507	0.0513	98	99	1	75-125			1	20
Copper	0.0500	0.00119	0.0514	0.0522	100	102	1	75-125			2	20
Iron	5.00	0.684	5.52	5.50	97	96	1	75-125			1	20
Lead	0.0500	0.00119	0.0481	0.0485	94	95	1	75-125			1	20
Manganese	0.0500	0.985	1.03	1.02	85	73	1	75-125		V	1	20
Nickel	0.0500	0.00628	0.0556	0.0559	99	99	1	75-125			1	20
Selenium	0.0500	0.000101	0.0496	0.0485	99	97	1	75-125			2	20
Silver	0.0500	0.000110	0.0511	0.0511	102	102	1	75-125			0	20
Thallium	0.0500	0.0000387	0.0472	0.0475	94	95	1	75-125			1	20
Zinc	0.0500	0.00355	0.0508	0.0521	95	97	1	75-125			2	20

Method Blank (MB)

(MB) 11/18/15 17:03

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Acetone	ND		0.0500
Acrolein	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromobenzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
n-Butylbenzene	ND		0.00100
sec-Butylbenzene	ND		0.00100
tert-Butylbenzene	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
2-Chloroethyl vinyl ether	ND		0.0500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
2-Chlorotoluene	ND		0.00100
4-Chlorotoluene	ND		0.00100
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
1,1-Dichloropropene	ND		0.00100
1,3-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100

Method Blank (MB)

(MB) 11/18/15 17:03

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
trans-1,3-Dichloropropene	ND		0.00100
2,2-Dichloropropane	ND		0.00100
Di-isopropyl ether	ND		0.00100
Ethylbenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.00100
Isopropylbenzene	ND		0.00100
p-Isopropyltoluene	ND		0.00100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Methyl tert-butyl ether	ND		0.00100
Naphthalene	ND		0.00500
n-Propylbenzene	ND		0.00100
Styrene	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,2-Trichlorotrifluoroethane	ND		0.00100
1,2,3-Trichlorobenzene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.00100
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,3-Trichloropropane	ND		0.00250
1,2,3-Trimethylbenzene	ND		0.00100
1,2,4-Trimethylbenzene	ND		0.00100
1,3,5-Trimethylbenzene	ND		0.00100
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*106*		*90.0-115*
(S) Dibromofluoromethane	*106*		*79.0-121*
(S) 4-Bromofluorobenzene	*98.1*		*80.1-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/18/15 15:36 • (LCSD) 11/18/15 15:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.135	0.134	108	108	28.7-175			0.160	20.9
Acrolein	0.125	0.131	0.135	104	108	40.4-172			3.27	20
Acrylonitrile	0.125	0.123	0.126	98.5	101	58.2-145			2.03	20
Benzene	0.0250	0.0248	0.0249	99.1	99.7	73.0-122			0.630	20
Bromobenzene	0.0250	0.0231	0.0236	92.4	94.2	81.5-115			1.91	20
Bromodichloromethane	0.0250	0.0228	0.0237	91.4	94.9	75.5-121			3.79	20
Bromoform	0.0250	0.0229	0.0223	91.6	89.4	71.5-131			2.50	20
Bromomethane	0.0250	0.0247	0.0243	99.0	97.0	22.4-187			1.98	20
n-Butylbenzene	0.0250	0.0241	0.0255	96.4	102	75.9-134			5.68	20
sec-Butylbenzene	0.0250	0.0250	0.0254	100	102	80.6-126			1.67	20
tert-Butylbenzene	0.0250	0.0242	0.0244	96.6	97.5	79.3-127			0.870	20
Carbon tetrachloride	0.0250	0.0233	0.0250	93.0	99.8	70.9-129			7.03	20
Chlorobenzene	0.0250	0.0243	0.0246	97.1	98.3	79.7-122			1.26	20
Chlorodibromomethane	0.0250	0.0214	0.0225	85.6	89.8	78.2-124			4.76	20
Chloroethane	0.0250	0.0234	0.0239	93.6	95.5	41.2-153			1.94	20
2-Chloroethyl vinyl ether	0.125	0.281	0.287	224	229	23.4-162	J4	J4	2.17	23.5
Chloroform	0.0250	0.0250	0.0250	100	100	73.2-125			0.130	20
Chloromethane	0.0250	0.0256	0.0245	102	97.8	55.8-134			4.36	20
2-Chlorotoluene	0.0250	0.0235	0.0236	93.9	94.3	76.4-125			0.440	20
4-Chlorotoluene	0.0250	0.0238	0.0242	95.2	96.9	81.5-121			1.77	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0216	0.0228	86.5	91.3	64.8-131			5.41	20
1,2-Dibromoethane	0.0250	0.0230	0.0240	91.9	95.9	79.8-122			4.28	20
Dibromomethane	0.0250	0.0249	0.0252	99.4	101	79.5-118			1.39	20
1,2-Dichlorobenzene	0.0250	0.0240	0.0251	95.8	100	84.7-118			4.72	20
1,3-Dichlorobenzene	0.0250	0.0241	0.0242	96.3	96.7	77.6-127			0.480	20
1,4-Dichlorobenzene	0.0250	0.0221	0.0231	88.5	92.4	82.2-114			4.35	20
Dichlorodifluoromethane	0.0250	0.0279	0.0236	112	94.5	56.0-134			16.5	20
1,1-Dichloroethane	0.0250	0.0252	0.0245	101	97.9	71.7-127			2.73	20
1,2-Dichloroethane	0.0250	0.0261	0.0258	104	103	65.3-126			0.930	20
1,1-Dichloroethene	0.0250	0.0238	0.0238	95.2	95.4	59.9-137			0.220	20
cis-1,2-Dichloroethene	0.0250	0.0243	0.0256	97.1	102	77.3-122			5.40	20
trans-1,2-Dichloroethene	0.0250	0.0230	0.0230	91.9	92.1	72.6-125			0.250	20
1,2-Dichloropropane	0.0250	0.0250	0.0255	99.8	102	77.4-125			1.99	20
1,1-Dichloropropene	0.0250	0.0247	0.0244	98.7	97.8	72.5-127			0.940	20
1,3-Dichloropropane	0.0250	0.0240	0.0243	96.1	97.2	80.6-115			1.11	20
cis-1,3-Dichloropropene	0.0250	0.0225	0.0229	90.0	91.5	77.7-124			1.69	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/18/15 15:36 • (LCSD) 11/18/15 15:54

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	0.0224	0.0239	89.6	95.6	73.5-127			6.47	20
2,2-Dichloropropane	0.0250	0.0232	0.0242	92.7	96.6	61.3-134			4.13	20
Di-isopropyl ether	0.0250	0.0241	0.0244	96.2	97.7	65.1-135			1.49	20
Ethylbenzene	0.0250	0.0238	0.0235	95.2	93.9	80.9-121			1.42	20
Hexachloro-1,3-butadiene	0.0250	0.0221	0.0243	88.5	97.2	73.7-133			9.41	20
Isopropylbenzene	0.0250	0.0239	0.0240	95.4	96.1	81.6-124			0.710	20
p-Isopropyltoluene	0.0250	0.0241	0.0246	96.5	98.2	77.6-129			1.80	20
2-Butanone (MEK)	0.125	0.129	0.127	103	101	46.4-155			1.65	20
Methylene Chloride	0.0250	0.0267	0.0262	107	105	69.5-120			2.08	20
4-Methyl-2-pentanone (MIBK)	0.125	0.119	0.123	95.6	98.0	63.3-138			2.54	20
Methyl tert-butyl ether	0.0250	0.0230	0.0236	91.9	94.5	70.1-125			2.75	20
Naphthalene	0.0250	0.0231	0.0243	92.3	97.4	69.7-134			5.37	20
n-Propylbenzene	0.0250	0.0238	0.0242	95.3	96.8	81.9-122			1.58	20
Styrene	0.0250	0.0245	0.0251	97.8	101	79.9-124			2.76	20
1,1,1,2-Tetrachloroethane	0.0250	0.0244	0.0239	97.5	95.7	78.5-125			1.86	20
1,1,2,2-Tetrachloroethane	0.0250	0.0250	0.0259	99.8	104	79.3-123			3.77	20
Tetrachloroethene	0.0250	0.0239	0.0239	95.6	95.8	73.5-130			0.220	20
Toluene	0.0250	0.0233	0.0243	93.1	97.3	77.9-116			4.41	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0257	0.0252	103	101	62.0-141			1.86	20
1,2,3-Trichlorobenzene	0.0250	0.0229	0.0244	91.4	97.5	75.7-134			6.46	20
1,2,4-Trichlorobenzene	0.0250	0.0240	0.0250	95.9	99.8	76.1-136			4.02	20
1,1,1-Trichloroethane	0.0250	0.0232	0.0233	93.0	93.1	71.1-129			0.160	20
1,1,2-Trichloroethane	0.0250	0.0256	0.0263	103	105	81.6-120			2.48	20
Trichloroethene	0.0250	0.0242	0.0243	96.9	97.1	79.5-121			0.220	20
Trichlorofluoromethane	0.0250	0.0247	0.0247	98.8	98.9	49.1-157			0.0100	20
1,2,3-Trichloropropane	0.0250	0.0248	0.0247	99.3	98.6	74.9-124			0.730	20
1,2,3-Trimethylbenzene	0.0250	0.0231	0.0241	92.6	96.5	79.9-118			4.12	20
1,2,4-Trimethylbenzene	0.0250	0.0237	0.0245	94.9	98.1	79.0-122			3.35	20
1,3,5-Trimethylbenzene	0.0250	0.0239	0.0244	95.8	97.8	81.0-123			2.07	20
Vinyl chloride	0.0250	0.0257	0.0256	103	102	61.5-134			0.410	20
Xylenes, Total	0.0750	0.0707	0.0722	94.3	96.2	79.2-122			2.05	20
(S) Toluene-d8				*105*	*106*	*90.0-115*				
(S) Dibromofluoromethane				*107*	*108*	*79.0-121*				
(S) 4-Bromofluorobenzene				*100*	*97.1*	*80.1-120*				

L801382-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/18/15 19:42 • (MS) 11/18/15 18:33 • (MSD) 11/18/15 18:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.00113	0.0534	0.0533	41.8	41.7	1	25.0-156			0.280	21.5
Acrolein	0.125	ND	0.125	0.114	99.8	91.5	1	34.0-194			8.70	21.5
Acrylonitrile	0.125	ND	0.127	0.121	102	96.5	1	55.9-161			5.30	20
Benzene	0.0250	ND	0.0245	0.0238	98.0	95.1	1	58.6-133			3.07	20
Bromobenzene	0.0250	ND	0.0240	0.0228	96.1	91.1	1	70.6-125			5.42	20
Bromodichloromethane	0.0250	ND	0.0219	0.0225	87.5	89.9	1	69.2-127			2.74	20
Bromoform	0.0250	ND	0.0219	0.0219	87.7	87.5	1	66.3-140			0.220	20
Bromomethane	0.0250	ND	0.0257	0.0217	103	86.9	1	16.6-183			16.8	20.5
n-Butylbenzene	0.0250	ND	0.0267	0.0251	107	100	1	64.8-145			6.03	20
sec-Butylbenzene	0.0250	ND	0.0267	0.0259	107	103	1	66.8-139			3.38	20
tert-Butylbenzene	0.0250	ND	0.0260	0.0244	104	97.4	1	67.1-138			6.43	20
Carbon tetrachloride	0.0250	ND	0.0256	0.0230	103	91.8	1	60.6-139			11.0	20
Chlorobenzene	0.0250	ND	0.0246	0.0237	98.2	94.6	1	70.1-130			3.71	20
Chlorodibromomethane	0.0250	ND	0.0209	0.0207	83.4	82.7	1	71.6-132			0.920	20
Chloroethane	0.0250	ND	0.0260	0.0231	104	92.3	1	33.3-155			11.8	20
2-Chloroethyl vinyl ether	0.125	ND	0.0212	0.00812	16.9	6.50	1	5.00-149		J3	89.0	40
Chloroform	0.0250	ND	0.0247	0.0236	98.7	94.4	1	66.1-133			4.46	20
Chloromethane	0.0250	ND	0.0230	0.0213	92.2	85.4	1	40.7-139			7.66	20
2-Chlorotoluene	0.0250	ND	0.0245	0.0230	97.9	91.8	1	66.9-134			6.42	20
4-Chlorotoluene	0.0250	ND	0.0246	0.0238	98.4	95.4	1	66.8-134			3.10	20
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0198	0.0212	79.1	84.8	1	63.9-142			6.87	20.2
1,2-Dibromoethane	0.0250	ND	0.0235	0.0216	94.1	86.4	1	73.8-131			8.56	20
Dibromomethane	0.0250	ND	0.0231	0.0231	92.6	92.4	1	72.8-127			0.210	20
1,2-Dichlorobenzene	0.0250	ND	0.0241	0.0232	96.6	92.9	1	77.4-127			3.85	20
1,3-Dichlorobenzene	0.0250	ND	0.0239	0.0243	95.4	97.1	1	67.9-136			1.71	20
1,4-Dichlorobenzene	0.0250	ND	0.0229	0.0222	91.7	88.6	1	74.4-123			3.36	20
Dichlorodifluoromethane	0.0250	ND	0.0281	0.0260	112	104	1	42.2-146			7.74	20
1,1-Dichloroethane	0.0250	ND	0.0248	0.0235	99.1	94.0	1	64.0-134			5.24	20
1,2-Dichloroethane	0.0250	ND	0.0250	0.0248	100	99.2	1	60.7-132			0.880	20
1,1-Dichloroethene	0.0250	ND	0.0254	0.0233	102	93.3	1	48.8-144			8.67	20
cis-1,2-Dichloroethene	0.0250	ND	0.0244	0.0239	97.8	95.6	1	60.6-136			2.31	20
trans-1,2-Dichloroethene	0.0250	ND	0.0221	0.0209	88.3	83.7	1	61.0-132			5.33	20
1,2-Dichloropropane	0.0250	ND	0.0235	0.0240	94.1	95.8	1	69.7-130			1.87	20
1,1-Dichloropropene	0.0250	ND	0.0255	0.0233	102	93.0	1	61.5-136			9.35	20
1,3-Dichloropropane	0.0250	ND	0.0239	0.0233	95.7	93.1	1	74.3-123			2.76	20
cis-1,3-Dichloropropene	0.0250	ND	0.0225	0.0209	90.0	83.4	1	71.1-129			7.59	20

L801382-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/18/15 19:42 • (MS) 11/18/15 18:33 • (MSD) 11/18/15 18:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	ND	0.0216	0.0215	86.5	86.0	1	66.3-136			0.620	20
2,2-Dichloropropane	0.0250	ND	0.0249	0.0242	99.8	96.9	1	54.9-142			2.94	20
Di-isopropyl ether	0.0250	ND	0.0243	0.0233	97.3	93.1	1	59.9-140			4.35	20
Ethylbenzene	0.0250	ND	0.0244	0.0229	97.4	91.7	1	62.7-136			6.13	20
Hexachloro-1,3-butadiene	0.0250	ND	0.0239	0.0236	95.7	94.4	1	61.1-144			1.43	20.1
Isopropylbenzene	0.0250	ND	0.0253	0.0241	101	96.3	1	67.4-136			5.09	20
p-Isopropyltoluene	0.0250	ND	0.0265	0.0251	106	100	1	62.8-143			5.41	20
2-Butanone (MEK)	0.125	ND	0.0873	0.0803	69.8	64.2	1	45.0-156			8.31	20.8
Methylene Chloride	0.0250	ND	0.0239	0.0244	95.5	97.7	1	61.5-125			2.21	20
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.120	0.114	95.6	91.5	1	60.7-150			4.39	20
Methyl tert-butyl ether	0.0250	ND	0.0237	0.0233	94.9	93.3	1	61.4-136			1.70	20
Naphthalene	0.0250	ND	0.0235	0.0238	93.9	95.0	1	61.8-143			1.25	20
n-Propylbenzene	0.0250	ND	0.0256	0.0245	102	97.9	1	63.2-139			4.32	20
Styrene	0.0250	ND	0.0251	0.0241	100	96.2	1	68.2-133			4.12	20
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0240	0.0242	96.1	97.0	1	70.5-132			0.910	20
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0255	0.0248	102	99.0	1	64.9-145			2.90	20
Tetrachloroethene	0.0250	ND	0.0247	0.0231	98.6	92.6	1	57.4-141			6.33	20
Toluene	0.0250	ND	0.0233	0.0227	93.4	90.6	1	67.8-124			2.97	20
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0293	0.0257	117	103	1	53.7-150			13.1	20
1,2,3-Trichlorobenzene	0.0250	ND	0.0223	0.0242	89.4	96.9	1	65.7-143			8.06	20
1,2,4-Trichlorobenzene	0.0250	ND	0.0239	0.0238	95.5	95.3	1	67.0-146			0.150	20
1,1,1-Trichloroethane	0.0250	ND	0.0249	0.0230	99.7	92.0	1	58.7-134			8.00	20
1,1,2-Trichloroethane	0.0250	ND	0.0255	0.0255	102	102	1	74.1-130			0.210	20
Trichloroethene	0.0250	ND	0.0238	0.0222	95.0	88.9	1	48.9-148			6.64	20
Trichlorofluoromethane	0.0250	ND	0.0290	0.0245	116	98.1	1	39.9-165			16.8	20
1,2,3-Trichloropropane	0.0250	ND	0.0253	0.0247	101	98.9	1	71.5-134			2.15	20
1,2,3-Trimethylbenzene	0.0250	ND	0.0231	0.0231	92.3	92.3	1	62.7-133			0.0100	20
1,2,4-Trimethylbenzene	0.0250	ND	0.0244	0.0243	97.8	97.1	1	60.5-137			0.760	20
1,3,5-Trimethylbenzene	0.0250	ND	0.0252	0.0239	101	95.7	1	67.9-134			5.36	20
Vinyl chloride	0.0250	ND	0.0253	0.0233	101	93.4	1	44.3-143			7.90	20
Xylenes, Total	0.0750	ND	0.0733	0.0691	97.8	92.2	1	65.6-133			5.92	20
(S) Toluene-d8					*106*	*105*		*90.0-115*				
(S) Dibromofluoromethane					*107*	*112*		*79.0-121*				
(S) 4-Bromofluorobenzene					*102*	*100*		*80.1-120*				

Method Blank (MB)

(MB) 11/19/15 13:01

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Acetone	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromobenzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
n-Butylbenzene	ND		0.00100
sec-Butylbenzene	ND		0.00100
tert-Butylbenzene	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
2-Chloroethyl vinyl ether	ND		0.0500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
2-Chlorotoluene	ND		0.00100
4-Chlorotoluene	ND		0.00100
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
1,1-Dichloropropene	ND		0.00100
1,3-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100

Method Blank (MB)

(MB) 11/19/15 13:01

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
2,2-Dichloropropane	ND		0.00100
Di-isopropyl ether	ND		0.00100
Ethylbenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.00100
Isopropylbenzene	ND		0.00100
p-Isopropyltoluene	ND		0.00100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Methyl tert-butyl ether	ND		0.00100
Naphthalene	ND		0.00500
n-Propylbenzene	ND		0.00100
Styrene	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,2-Trichlorotrifluoroethane	ND		0.00100
1,2,3-Trichlorobenzene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.00100
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,3-Trichloropropane	ND		0.00250
1,2,4-Trimethylbenzene	ND		0.00100
1,3,5-Trimethylbenzene	ND		0.00100
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*102*		*88.7-115*
(S) Dibromofluoromethane	*94.5*		*76.3-123*
(S) 4-Bromofluorobenzene	*102*		*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/19/15 11:22 • (LCSD) 11/19/15 11:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0900	0.0999	72.0	79.9	25.3-178			10.5	22.9
Acrylonitrile	0.125	0.112	0.125	89.8	99.7	57.8-143			10.4	20
Benzene	0.0250	0.0212	0.0233	84.8	93.2	72.6-120			9.48	20
Bromobenzene	0.0250	0.0223	0.0244	89.3	97.4	80.3-115			8.65	20
Bromodichloromethane	0.0250	0.0228	0.0252	91.2	101	75.3-119			10.1	20
Bromoform	0.0250	0.0224	0.0241	89.7	96.4	69.1-135			7.26	20
Bromomethane	0.0250	0.0189	0.0205	75.6	82.2	23.0-191			8.38	20
n-Butylbenzene	0.0250	0.0218	0.0246	87.2	98.5	74.2-134			12.2	20
sec-Butylbenzene	0.0250	0.0234	0.0257	93.7	103	77.8-129			9.40	20
tert-Butylbenzene	0.0250	0.0235	0.0258	94.0	103	77.2-129			9.47	20
Carbon tetrachloride	0.0250	0.0210	0.0231	84.2	92.4	69.4-129			9.32	20
Chlorobenzene	0.0250	0.0227	0.0247	90.8	99.0	78.9-122			8.65	20
Chlorodibromomethane	0.0250	0.0233	0.0253	93.0	101	76.4-126			8.47	20
Chloroethane	0.0250	0.0218	0.0242	87.2	96.8	47.2-147			10.4	20
2-Chloroethyl vinyl ether	0.125	0.182	0.200	145	160	16.7-162			9.59	23.7
Chloroform	0.0250	0.0214	0.0235	85.4	94.1	73.3-122			9.69	20
Chloromethane	0.0250	0.0189	0.0204	75.4	81.7	53.1-135			7.98	20
2-Chlorotoluene	0.0250	0.0233	0.0254	93.3	102	74.6-127			8.55	20
4-Chlorotoluene	0.0250	0.0228	0.0250	91.3	99.9	79.5-123			8.99	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0178	0.0218	71.0	87.1	64.9-131		J3	20.3	20
1,2-Dibromoethane	0.0250	0.0224	0.0243	89.4	97.2	78.7-123			8.32	20
Dibromomethane	0.0250	0.0223	0.0249	89.3	99.6	78.5-117			10.9	20
1,2-Dichlorobenzene	0.0250	0.0212	0.0238	84.7	95.2	83.6-119			11.6	20
1,3-Dichlorobenzene	0.0250	0.0224	0.0241	89.8	96.6	75.9-129			7.33	20
1,4-Dichlorobenzene	0.0250	0.0210	0.0234	84.1	93.4	81.0-115			10.6	20
Dichlorodifluoromethane	0.0250	0.0195	0.0209	78.0	83.7	50.9-139			7.01	20
1,1-Dichloroethane	0.0250	0.0219	0.0241	87.5	96.3	71.7-125			9.50	20
1,2-Dichloroethane	0.0250	0.0209	0.0232	83.6	92.6	67.2-121			10.3	20
1,1-Dichloroethene	0.0250	0.0210	0.0234	84.0	93.5	60.6-133			10.6	20
cis-1,2-Dichloroethene	0.0250	0.0219	0.0240	87.5	95.9	76.1-121			9.24	20
trans-1,2-Dichloroethene	0.0250	0.0213	0.0235	85.2	94.0	70.7-124			9.90	20
1,2-Dichloropropane	0.0250	0.0232	0.0256	92.9	103	76.9-123			9.85	20
1,1-Dichloropropene	0.0250	0.0219	0.0241	87.6	96.5	71.2-126			9.67	20
1,3-Dichloropropane	0.0250	0.0226	0.0247	90.5	98.9	80.3-114			8.94	20
cis-1,3-Dichloropropene	0.0250	0.0235	0.0259	94.2	104	77.3-123			9.57	20
trans-1,3-Dichloropropene	0.0250	0.0214	0.0235	85.7	93.9	73.0-127			9.21	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/19/15 11:22 • (LCSD) 11/19/15 11:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0229	0.0250	91.7	99.8	61.9-132			8.51	20
Di-isopropyl ether	0.0250	0.0218	0.0240	87.1	96.0	67.2-131			9.71	20
Ethylbenzene	0.0250	0.0214	0.0231	85.4	92.2	78.6-124			7.70	20
Hexachloro-1,3-butadiene	0.0250	0.0194	0.0202	77.6	80.9	69.2-136			4.05	20
Isopropylbenzene	0.0250	0.0231	0.0251	92.4	100	79.4-126			8.19	20
p-Isopropyltoluene	0.0250	0.0237	0.0260	95.0	104	75.4-132			9.12	20
2-Butanone (MEK)	0.125	0.100	0.111	80.1	88.8	44.5-154			10.4	21.3
Methylene Chloride	0.0250	0.0193	0.0213	77.0	85.2	68.2-119			10.0	20
4-Methyl-2-pentanone (MIBK)	0.125	0.110	0.123	88.1	98.4	61.1-138			11.0	20
Methyl tert-butyl ether	0.0250	0.0220	0.0240	87.9	96.0	70.2-122			8.88	20
Naphthalene	0.0250	0.0171	0.0205	68.5	81.9	69.9-132	J4		17.9	20
n-Propylbenzene	0.0250	0.0216	0.0236	86.5	94.3	80.2-124			8.70	20
Styrene	0.0250	0.0234	0.0258	93.8	103	79.4-124			9.67	20
1,1,1,2-Tetrachloroethane	0.0250	0.0233	0.0253	93.2	101	76.7-127			8.25	20
1,1,2,2-Tetrachloroethane	0.0250	0.0223	0.0242	89.0	96.8	78.8-124			8.35	20
Tetrachloroethene	0.0250	0.0230	0.0249	92.1	99.5	71.1-133			7.77	20
Toluene	0.0250	0.0217	0.0240	86.7	95.9	76.7-116			10.0	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0215	0.0236	86.1	94.5	62.6-138			9.34	20
1,2,3-Trichlorobenzene	0.0250	0.0171	0.0193	68.6	77.3	72.5-137	J4		12.0	20
1,2,4-Trichlorobenzene	0.0250	0.0191	0.0212	76.6	84.7	74.0-137			10.0	20
1,1,1-Trichloroethane	0.0250	0.0221	0.0244	88.3	97.5	69.9-127			9.92	20
1,1,2-Trichloroethane	0.0250	0.0228	0.0247	91.4	98.7	81.9-119			7.65	20
Trichloroethene	0.0250	0.0227	0.0250	90.7	100	77.2-122			9.74	20
Trichlorofluoromethane	0.0250	0.0219	0.0239	87.6	95.5	51.5-151			8.53	20
1,2,3-Trichloropropane	0.0250	0.0217	0.0239	86.6	95.4	74.0-124			9.67	20
1,2,4-Trimethylbenzene	0.0250	0.0207	0.0226	82.7	90.3	77.1-124			8.87	20
1,3,5-Trimethylbenzene	0.0250	0.0226	0.0249	90.6	99.5	79.0-125			9.44	20
Vinyl chloride	0.0250	0.0216	0.0237	86.2	95.0	58.4-134			9.66	20
Xylenes, Total	0.0750	0.0694	0.0756	92.5	101	78.1-123			8.58	20
(S) Toluene-d8				*103*	*103*	*88.7-115*				
(S) Dibromofluoromethane				*93.2*	*93.5*	*76.3-123*				
(S) 4-Bromofluorobenzene				*105*	*103*	*69.7-129*				

L801512-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/19/15 18:23 • (MS) 11/19/15 13:49 • (MSD) 11/19/15 14:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	ND	0.0788	0.0921	63.1	73.7	1	10.0-130			15.6	31.5
Acrylonitrile	0.125	ND	0.0878	0.110	70.2	88.2	1	39.3-152			22.7	27.2
Benzene	0.0250	ND	0.0153	0.0197	61.2	78.7	1	47.8-131		J3	25.0	22.8
Bromobenzene	0.0250	ND	0.0155	0.0204	62.2	81.6	1	40.0-130			27.1	27.4
Bromodichloromethane	0.0250	ND	0.0163	0.0214	65.0	85.8	1	50.6-128		J3	27.5	22.8
Bromoform	0.0250	ND	0.0159	0.0212	63.6	84.8	1	43.3-139		J3	28.7	25.9
Bromomethane	0.0250	ND	0.0130	0.0176	52.1	70.5	1	5.00-189		J3	30.1	26.7
n-Butylbenzene	0.0250	0.0209	0.0146	0.0196	0.000	0.000	1	23.6-146	J6	J6	28.9	39.2
sec-Butylbenzene	0.0250	ND	0.0152	0.0208	60.6	83.1	1	31.0-142			31.3	34.7
tert-Butylbenzene	0.0250	ND	0.0153	0.0212	61.1	84.7	1	36.9-142		J3	32.3	31.7
Carbon tetrachloride	0.0250	ND	0.0146	0.0195	58.5	78.2	1	46.0-140		J3	28.7	27.2
Chlorobenzene	0.0250	ND	0.0159	0.0207	63.7	82.6	1	44.1-134		J3	25.9	25.7
Chlorodibromomethane	0.0250	ND	0.0164	0.0219	65.7	87.6	1	49.7-134		J3	28.6	24
Chloroethane	0.0250	ND	0.0157	0.0203	62.7	81.1	1	5.00-164			25.6	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.135	0.174	108	139	1	5.00-159			24.8	40
Chloroform	0.0250	ND	0.0156	0.0202	62.3	80.7	1	51.2-133		J3	25.8	22.8
Chloromethane	0.0250	ND	0.0134	0.0174	53.6	69.7	1	31.4-141		J3	26.2	24.6
2-Chlorotoluene	0.0250	ND	0.0159	0.0213	63.7	85.2	1	36.1-137			28.8	28.9
4-Chlorotoluene	0.0250	ND	0.0158	0.0207	63.1	83.0	1	35.4-137			27.2	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0143	0.0186	57.3	74.2	1	40.4-138			25.7	30.8
1,2-Dibromoethane	0.0250	ND	0.0162	0.0211	64.9	84.5	1	50.2-133		J3	26.2	23.6
Dibromomethane	0.0250	ND	0.0165	0.0220	66.1	88.1	1	52.4-128		J3	28.6	23
1,2-Dichlorobenzene	0.0250	ND	0.0155	0.0204	62.0	81.6	1	34.6-139			27.4	29.9
1,3-Dichlorobenzene	0.0250	ND	0.0157	0.0206	62.9	82.5	1	28.4-142			27.0	31.2
1,4-Dichlorobenzene	0.0250	0.00536	0.0153	0.0200	39.8	58.5	1	35.0-133			26.6	31.1
Dichlorodifluoromethane	0.0250	ND	0.0139	0.0180	55.5	72.2	1	31.2-144			26.2	30.2
1,1-Dichloroethane	0.0250	ND	0.0158	0.0203	63.2	81.2	1	49.1-136		J3	25.0	22.9
1,2-Dichloroethane	0.0250	ND	0.0156	0.0202	62.2	80.6	1	47.1-129		J3	25.8	22.7
1,1-Dichloroethene	0.0250	ND	0.0151	0.0192	60.4	76.7	1	36.1-142			23.7	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.0159	0.0205	63.7	82.1	1	50.6-133		J3	25.2	23
trans-1,2-Dichloroethene	0.0250	ND	0.0155	0.0199	61.8	79.4	1	43.8-135		J3	24.9	24.8
1,2-Dichloropropane	0.0250	ND	0.0168	0.0218	67.2	87.4	1	50.3-134		J3	26.1	22.7
1,1-Dichloropropene	0.0250	ND	0.0155	0.0202	62.0	80.7	1	43.0-137			26.2	26.4
1,3-Dichloropropane	0.0250	ND	0.0161	0.0211	64.4	84.3	1	51.4-127		J3	26.9	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.0169	0.0222	67.6	88.8	1	48.4-134		J3	27.1	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.0158	0.0204	63.1	81.7	1	46.6-135		J3	25.7	25.3

L801512-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/19/15 18:23 • (MS) 11/19/15 13:49 • (MSD) 11/19/15 14:08

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	ND	0.0160	0.0212	64.1	84.6	1	45.2-141		J3	27.7	26.6
Di-isopropyl ether	0.0250	ND	0.0159	0.0206	63.4	82.5	1	46.7-140		J3	26.2	23.5
Ethylbenzene	0.0250	ND	0.0146	0.0193	58.3	77.1	1	44.8-135		J3	27.8	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.0128	0.0166	51.0	66.3	1	10.0-149			26.0	40
Isopropylbenzene	0.0250	ND	0.0155	0.0208	62.0	83.3	1	41.9-139			29.3	29.3
p-Isopropyltoluene	0.0250	ND	0.0157	0.0213	62.9	85.1	1	27.3-146			30.0	35.1
2-Butanone (MEK)	0.125	ND	0.0793	0.0998	63.5	79.9	1	23.9-170			22.9	28.3
Methylene Chloride	0.0250	ND	0.0143	0.0184	57.4	73.7	1	46.7-125		J3	24.9	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.0833	0.108	66.7	86.6	1	42.4-146			26.0	26.7
Methyl tert-butyl ether	0.0250	ND	0.0163	0.0210	65.2	84.0	1	50.4-131		J3	25.3	24.8
Naphthalene	0.0250	0.0412	0.0128	0.0174	0.000	0.000	1	18.4-145	J6	J6	30.6	34
n-Propylbenzene	0.0250	ND	0.0144	0.0193	57.5	77.3	1	35.2-139			29.4	31.9
Styrene	0.0250	ND	0.0161	0.0214	64.6	85.7	1	39.7-137			28.2	28.2
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0161	0.0217	64.4	86.6	1	48.8-136		J3	29.5	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0164	0.0210	65.4	84.1	1	45.7-140			25.0	26.4
Tetrachloroethene	0.0250	ND	0.0155	0.0204	62.2	81.7	1	37.7-140			27.1	29.2
Toluene	0.0250	ND	0.0155	0.0202	61.9	80.8	1	47.8-127		J3	26.5	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0145	0.0195	57.8	78.0	1	35.7-146		J3	29.8	28.8
1,2,3-Trichlorobenzene	0.0250	0.0169	0.0130	0.0174	0.000	2.09	1	10.0-150	J6	J6	28.6	38.5
1,2,4-Trichlorobenzene	0.0250	0.0150	0.0144	0.0192	0.000	16.8	1	10.0-153	J6		28.4	39.3
1,1,1-Trichloroethane	0.0250	ND	0.0155	0.0206	62.1	82.4	1	49.0-138		J3	28.1	25.3
1,1,2-Trichloroethane	0.0250	ND	0.0165	0.0215	66.0	86.0	1	52.3-132		J3	26.3	23.4
Trichloroethene	0.0250	ND	0.0163	0.0211	65.2	84.3	1	48.0-132		J3	25.5	24.8
Trichlorofluoromethane	0.0250	ND	0.0152	0.0200	60.7	80.1	1	12.8-169			27.6	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0161	0.0208	64.3	83.3	1	44.4-138			25.7	26.3
1,2,4-Trimethylbenzene	0.0250	ND	0.0141	0.0188	56.4	75.2	1	32.9-139			28.7	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.0152	0.0206	60.7	82.2	1	37.1-138			30.1	30.6
Vinyl chloride	0.0250	ND	0.0153	0.0200	61.1	79.9	1	32.0-146		J3	26.6	26.3
Xylenes, Total	0.0750	ND	0.0473	0.0630	63.1	84.0	1	42.7-135		J3	28.5	26.6
(S) Toluene-d8					*101*	*103*		*88.7-115*				
(S) Dibromofluoromethane					*96.0*	*96.8*		*76.3-123*				
(S) 4-Bromofluorobenzene					*101*	*102*		*69.7-129*				

Method Blank (MB)

(MB) 11/23/15 09:51

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
1,4-Dioxane	ND		0.00300
(S) Toluene-d8	*104*		*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/23/15 08:53 • (LCSD) 11/23/15 09:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	0.0420	0.0429	83.9	85.7	70.0-130			2.12	25
(S) Toluene-d8				*102*	*103*	*70.0-130*				

L801382-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/23/15 14:32 • (MS) 11/23/15 14:52 • (MSD) 11/23/15 15:11

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	ND	0.0332	0.0326	66.4	65.2	1	0.000-200			1.92	25
(S) Toluene-d8					*104*	*104*		*70.0-130*				

Method Blank (MB)

(MB) 11/19/15 11:25

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
1,4-Dioxane	ND		0.00300
(S) Toluene-d8	*112*		*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/19/15 10:26 • (LCSD) 11/19/15 10:46

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	0.0482	0.0443	96.5	88.5	70.0-130			8.55	25
(S) Toluene-d8				*104*	*104*	*70.0-130*				

L801382-40 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/19/15 15:33 • (MS) 11/19/15 15:53 • (MSD) 11/19/15 16:12

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	0.000205	0.0520	0.0554	104	110	1	0.000-200			6.22	42
(S) Toluene-d8					*111*	*104*		*70.0-130*				

Method Blank (MB)

(MB) 11/27/15 11:21

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
1,4-Dioxane	ND		0.00300
(S) Toluene-d8	*113*		*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/27/15 10:22 • (LCSD) 11/27/15 10:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,4-Dioxane	0.0500	0.0422	0.0488	84.4	97.6	70.0-130			14.5	25
(S) Toluene-d8				*105*	*113*	*70.0-130*				

Method Blank (MB)

(MB) 11/25/15 02:21

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Acetone	ND		0.0500
Acrylonitrile	ND		0.0100
Benzene	ND		0.00100
Bromobenzene	ND		0.00100
Bromodichloromethane	ND		0.00100
Bromoform	ND		0.00100
Bromomethane	ND		0.00500
n-Butylbenzene	ND		0.00100
sec-Butylbenzene	ND		0.00100
tert-Butylbenzene	ND		0.00100
Carbon tetrachloride	ND		0.00100
Chlorobenzene	ND		0.00100
Chlorodibromomethane	ND		0.00100
Chloroethane	ND		0.00500
2-Chloroethyl vinyl ether	ND		0.0500
Chloroform	ND		0.00500
Chloromethane	ND		0.00250
2-Chlorotoluene	ND		0.00100
4-Chlorotoluene	ND		0.00100
1,2-Dibromo-3-Chloropropane	ND		0.00500
1,2-Dibromoethane	ND		0.00100
Dibromomethane	ND		0.00100
1,2-Dichlorobenzene	ND		0.00100
1,3-Dichlorobenzene	ND		0.00100
1,4-Dichlorobenzene	ND		0.00100
Dichlorodifluoromethane	ND		0.00500
1,1-Dichloroethane	ND		0.00100
1,2-Dichloroethane	ND		0.00100
1,1-Dichloroethene	ND		0.00100
cis-1,2-Dichloroethene	ND		0.00100
trans-1,2-Dichloroethene	ND		0.00100
1,2-Dichloropropane	ND		0.00100
1,1-Dichloropropene	ND		0.00100
1,3-Dichloropropane	ND		0.00100
cis-1,3-Dichloropropene	ND		0.00100
trans-1,3-Dichloropropene	ND		0.00100

Method Blank (MB)

(MB) 11/25/15 02:21

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
2,2-Dichloropropane	ND		0.00100
Di-isopropyl ether	ND		0.00100
Ethylbenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.00100
Isopropylbenzene	ND		0.00100
p-Isopropyltoluene	ND		0.00100
2-Butanone (MEK)	ND		0.0100
Methylene Chloride	ND		0.00500
4-Methyl-2-pentanone (MIBK)	ND		0.0100
Methyl tert-butyl ether	ND		0.00100
Naphthalene	ND		0.00500
n-Propylbenzene	ND		0.00100
Styrene	ND		0.00100
1,1,2,2-Tetrachloroethane	ND		0.00100
Tetrachloroethene	ND		0.00100
Toluene	ND		0.00500
1,1,2-Trichlorotrifluoroethane	ND		0.00100
1,1,1,2-Tetrachloroethane	ND		0.00100
1,2,3-Trichlorobenzene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.00100
1,1,1-Trichloroethane	ND		0.00100
1,1,2-Trichloroethane	ND		0.00100
Trichloroethene	ND		0.00100
Trichlorofluoromethane	ND		0.00500
1,2,4-Trimethylbenzene	ND		0.00100
1,3,5-Trimethylbenzene	ND		0.00100
1,2,3-Trichloropropane	ND		0.00250
Vinyl chloride	ND		0.00100
Xylenes, Total	ND		0.00300
(S) Toluene-d8	*104*		*88.7-115*
(S) Dibromofluoromethane	*108*		*76.3-123*
(S) 4-Bromofluorobenzene	*98.8*		*69.7-129*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/25/15 00:25 • (LCSD) 11/25/15 00:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.137	0.142	110	113	25.3-178			3.15	22.9
Acrylonitrile	0.125	0.146	0.146	117	117	57.8-143			0.410	20
Bromobenzene	0.0250	0.0248	0.0262	99.1	105	80.3-115			5.51	20
Benzene	0.0250	0.0262	0.0274	105	110	72.6-120			4.55	20
Bromodichloromethane	0.0250	0.0268	0.0284	107	114	75.3-119			5.93	20
Bromoform	0.0250	0.0236	0.0242	94.5	97.0	69.1-135			2.64	20
Bromomethane	0.0250	0.0205	0.0230	81.8	91.8	23.0-191			11.5	20
n-Butylbenzene	0.0250	0.0278	0.0300	111	120	74.2-134			7.43	20
sec-Butylbenzene	0.0250	0.0259	0.0278	104	111	77.8-129			6.95	20
tert-Butylbenzene	0.0250	0.0256	0.0272	102	109	77.2-129			6.22	20
Carbon tetrachloride	0.0250	0.0258	0.0280	103	112	69.4-129			8.13	20
Chlorobenzene	0.0250	0.0242	0.0254	96.8	102	78.9-122			4.79	20
2-Chloroethyl vinyl ether	0.125	0.213	0.215	170	172	16.7-162	J4	J4	1.00	23.7
Chlorodibromomethane	0.0250	0.0253	0.0257	101	103	76.4-126			1.86	20
Chloroethane	0.0250	0.0217	0.0245	86.9	97.9	47.2-147			11.9	20
Chloroform	0.0250	0.0265	0.0279	106	112	73.3-122			5.09	20
2-Chlorotoluene	0.0250	0.0247	0.0261	98.8	104	74.6-127			5.29	20
4-Chlorotoluene	0.0250	0.0251	0.0269	100	107	79.5-123			6.96	20
Chloromethane	0.0250	0.0230	0.0244	91.9	97.7	53.1-135			6.08	20
Dibromomethane	0.0250	0.0267	0.0277	107	111	78.5-117			3.60	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0231	0.0226	92.5	90.4	64.9-131			2.32	20
1,2-Dibromoethane	0.0250	0.0246	0.0250	98.5	99.9	78.7-123			1.42	20
1,2-Dichlorobenzene	0.0250	0.0252	0.0263	101	105	83.6-119			4.59	20
1,3-Dichlorobenzene	0.0250	0.0239	0.0250	95.6	100	75.9-129			4.55	20
1,4-Dichlorobenzene	0.0250	0.0246	0.0261	98.3	105	81.0-115			6.10	20
Dichlorodifluoromethane	0.0250	0.0253	0.0243	101	97.3	50.9-139			4.05	20
1,1-Dichloroethane	0.0250	0.0271	0.0284	108	114	71.7-125			5.00	20
1,2-Dichloroethane	0.0250	0.0270	0.0280	108	112	67.2-121			3.76	20
1,1-Dichloroethene	0.0250	0.0230	0.0234	92.2	93.6	60.6-133			1.59	20
cis-1,2-Dichloroethene	0.0250	0.0264	0.0278	106	111	76.1-121			4.96	20
1,1-Dichloropropene	0.0250	0.0275	0.0287	110	115	71.2-126			4.29	20
trans-1,2-Dichloroethene	0.0250	0.0266	0.0282	106	113	70.7-124			5.85	20
1,2-Dichloropropane	0.0250	0.0270	0.0286	108	114	76.9-123			5.79	20
1,3-Dichloropropane	0.0250	0.0248	0.0255	99.3	102	80.3-114			2.81	20
cis-1,3-Dichloropropene	0.0250	0.0274	0.0289	110	115	77.3-123			5.06	20
2,2-Dichloropropane	0.0250	0.0308	0.0334	123	133	61.9-132		J4	7.86	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/25/15 00:25 • (LCSD) 11/25/15 00:44

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	0.0250	0.0263	99.8	105	73.0-127			5.32	20
Di-isopropyl ether	0.0250	0.0276	0.0291	110	116	67.2-131			5.23	20
Ethylbenzene	0.0250	0.0230	0.0245	92.1	98.0	78.6-124			6.18	20
Hexachloro-1,3-butadiene	0.0250	0.0250	0.0267	100	107	69.2-136			6.53	20
Isopropylbenzene	0.0250	0.0252	0.0268	101	107	79.4-126			6.31	20
p-Isopropyltoluene	0.0250	0.0263	0.0281	105	112	75.4-132			6.79	20
2-Butanone (MEK)	0.125	0.143	0.142	114	113	44.5-154			0.850	21.3
Methylene Chloride	0.0250	0.0256	0.0268	103	107	68.2-119			4.32	20
4-Methyl-2-pentanone (MIBK)	0.125	0.141	0.140	113	112	61.1-138			0.840	20
Methyl tert-butyl ether	0.0250	0.0267	0.0275	107	110	70.2-122			2.60	20
Naphthalene	0.0250	0.0225	0.0231	90.1	92.3	69.9-132			2.36	20
n-Propylbenzene	0.0250	0.0240	0.0257	96.2	103	80.2-124			6.54	20
1,1,1,2-Tetrachloroethane	0.0250	0.0246	0.0259	98.4	103	76.7-127			5.05	20
Styrene	0.0250	0.0247	0.0262	98.9	105	79.4-124			5.82	20
1,1,2,2-Tetrachloroethane	0.0250	0.0252	0.0254	101	102	78.8-124			0.940	20
Tetrachloroethene	0.0250	0.0239	0.0251	95.7	100	71.1-133			4.63	20
Toluene	0.0250	0.0251	0.0264	100	106	76.7-116			5.19	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0263	0.0264	105	106	62.6-138			0.590	20
1,2,3-Trichlorobenzene	0.0250	0.0228	0.0238	91.2	95.1	72.5-137			4.14	20
1,2,4-Trichlorobenzene	0.0250	0.0247	0.0259	98.7	104	74.0-137			4.87	20
1,1,1-Trichloroethane	0.0250	0.0275	0.0292	110	117	69.9-127			5.83	20
1,1,2-Trichloroethane	0.0250	0.0250	0.0254	99.8	102	81.9-119			1.88	20
1,2,3-Trichloropropane	0.0250	0.0244	0.0243	97.7	97.2	74.0-124			0.440	20
Trichloroethene	0.0250	0.0249	0.0266	99.5	106	77.2-122			6.72	20
Trichlorofluoromethane	0.0250	0.0237	0.0251	94.9	100	51.5-151			5.65	20
1,2,4-Trimethylbenzene	0.0250	0.0226	0.0240	90.4	96.2	77.1-124			6.17	20
1,3,5-Trimethylbenzene	0.0250	0.0250	0.0265	99.8	106	79.0-125			6.14	20
Vinyl chloride	0.0250	0.0266	0.0238	106	95.1	58.4-134			11.1	20
Xylenes, Total	0.0750	0.0750	0.0793	100	106	78.1-123			5.50	20
(S) Toluene-d8				*102*	*103*	*88.7-115*				
(S) Dibromofluoromethane				*103*	*103*	*76.3-123*				
(S) 4-Bromofluorobenzene				*99.5*	*99.1*	*69.7-129*				

L801435-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/25/15 04:45 • (MS) 11/25/15 03:26 • (MSD) 11/25/15 03:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	0.125	0.0346	3.23	3.43	120	128	21.25	10.0-130			5.78	31.5
Acrylonitrile	0.125	ND	3.50	3.54	132	133	21.25	39.3-152			1.30	27.2
Bromobenzene	0.0250	0.00565	0.590	0.594	110	111	21.25	40.0-130			0.700	27.4
Benzene	0.0250	0.00291	0.655	0.643	123	121	21.25	47.8-131			1.88	22.8
Bromodichloromethane	0.0250	ND	0.654	0.644	123	121	21.25	50.6-128			1.54	22.8
Bromoform	0.0250	ND	0.515	0.510	97.0	95.9	21.25	43.3-139			1.08	25.9
Bromomethane	0.0250	ND	0.465	0.436	87.6	82.0	21.25	5.00-189			6.51	26.7
n-Butylbenzene	0.0250	0.00233	0.685	0.689	129	129	21.25	23.6-146			0.620	39.2
sec-Butylbenzene	0.0250	0.00232	0.595	0.600	112	113	21.25	31.0-142			0.860	34.7
tert-Butylbenzene	0.0250	0.00129	0.578	0.582	109	109	21.25	36.9-142			0.630	31.7
Carbon tetrachloride	0.0250	ND	0.600	0.590	113	111	21.25	46.0-140			1.70	27.2
Chlorobenzene	0.0250	ND	0.555	0.551	104	104	21.25	44.1-134			0.710	25.7
Chlorodibromomethane	0.0250	ND	0.556	0.556	105	105	21.25	49.7-134			0.0200	24
2-Chloroethyl vinyl ether	0.125	ND	5.52	5.44	208	205	21.25	5.00-159	J5	J5	1.51	40
Chloroethane	0.0250	ND	0.349	0.355	65.8	66.9	21.25	5.00-164			1.68	28.4
2-Chlorotoluene	0.0250	ND	0.560	0.560	105	105	21.25	36.1-137			0.0800	28.9
Chloroform	0.0250	ND	0.666	0.653	125	123	21.25	51.2-133			2.07	22.8
Chloromethane	0.0250	ND	0.634	0.641	119	121	21.25	31.4-141			1.09	24.6
4-Chlorotoluene	0.0250	0.0130	0.574	0.577	106	106	21.25	35.4-137			0.610	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.532	0.536	100	101	21.25	40.4-138			0.770	30.8
Dibromomethane	0.0250	ND	0.643	0.632	121	119	21.25	52.4-128			1.67	23
1,2-Dibromoethane	0.0250	ND	0.556	0.555	105	105	21.25	50.2-133			0.0100	23.6
1,2-Dichlorobenzene	0.0250	ND	0.590	0.593	111	112	21.25	34.6-139			0.510	29.9
1,3-Dichlorobenzene	0.0250	ND	0.540	0.548	102	103	21.25	28.4-142			1.46	31.2
1,4-Dichlorobenzene	0.0250	ND	0.592	0.588	112	111	21.25	35.0-133			0.720	31.1
Dichlorodifluoromethane	0.0250	ND	0.644	0.633	121	119	21.25	31.2-144			1.70	30.2
1,1-Dichloroethane	0.0250	ND	0.692	0.679	130	128	21.25	49.1-136			1.95	22.9
1,2-Dichloroethane	0.0250	ND	0.718	0.702	135	132	21.25	47.1-129	J5	J5	2.36	22.7
1,1-Dichloroethene	0.0250	ND	0.746	0.722	140	136	21.25	36.1-142			3.32	25.6
cis-1,2-Dichloroethene	0.0250	ND	0.640	0.634	121	119	21.25	50.6-133			0.980	23
1,1-Dichloropropene	0.0250	ND	0.694	0.680	131	128	21.25	43.0-137			1.98	26.4
trans-1,2-Dichloroethene	0.0250	ND	0.641	0.634	121	119	21.25	43.8-135			1.14	24.8
1,3-Dichloropropane	0.0250	ND	0.584	0.583	110	110	21.25	51.4-127			0.280	23.1
1,2-Dichloropropane	0.0250	ND	0.671	0.665	126	125	21.25	50.3-134			0.900	22.7
cis-1,3-Dichloropropene	0.0250	ND	0.670	0.663	126	125	21.25	48.4-134			1.15	23.6
2,2-Dichloropropane	0.0250	ND	0.642	0.627	121	118	21.25	45.2-141			2.26	26.6

L801435-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/25/15 04:45 • (MS) 11/25/15 03:26 • (MSD) 11/25/15 03:46

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	0.0178	0.617	0.608	113	111	21.25	46.6-135			1.58	25.3
Di-isopropyl ether	0.0250	ND	0.729	0.712	137	134	21.25	46.7-140			2.44	23.5
Ethylbenzene	0.0250	0.203	0.873	0.870	126	126	21.25	44.8-135			0.350	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.578	0.584	109	110	21.25	10.0-149			1.18	40
Isopropylbenzene	0.0250	0.0143	0.600	0.600	110	110	21.25	41.9-139			0.000	29.3
p-Isopropyltoluene	0.0250	0.00338	0.605	0.615	113	115	21.25	27.3-146			1.58	35.1
2-Butanone (MEK)	0.125	0.0788	3.58	3.69	132	136	21.25	23.9-170			3.00	28.3
Methylene Chloride	0.0250	0.0127	0.600	0.593	111	109	21.25	46.7-125			1.16	22.2
4-Methyl-2-pentanone (MIBK)	0.125	0.00341	3.62	3.60	136	135	21.25	42.4-146			0.550	26.7
Methyl tert-butyl ether	0.0250	0.000933	0.658	0.644	124	121	21.25	50.4-131			2.13	24.8
Naphthalene	0.0250	0.0323	0.610	0.629	109	112	21.25	18.4-145			3.06	34
n-Propylbenzene	0.0250	0.0444	0.635	0.635	111	111	21.25	35.2-139			0.0900	31.9
1,1,1,2-Tetrachloroethane	0.0250	ND	0.555	0.553	105	104	21.25	48.8-136			0.360	25.5
Styrene	0.0250	ND	0.570	0.564	107	106	21.25	39.7-137			1.09	28.2
1,1,2,2-Tetrachloroethane	0.0250	ND	0.580	0.575	109	108	21.25	45.7-140			0.760	26.4
Tetrachloroethene	0.0250	ND	0.534	0.524	100	98.7	21.25	37.7-140			1.79	29.2
Toluene	0.0250	0.00412	0.612	0.598	114	112	21.25	47.8-127			2.23	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.535	0.501	101	94.3	21.25	35.7-146			6.45	28.8
1,2,3-Trichlorobenzene	0.0250	ND	0.570	0.580	107	109	21.25	10.0-150			1.77	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.607	0.613	114	115	21.25	10.0-153			1.08	39.3
1,1,1-Trichloroethane	0.0250	ND	0.653	0.644	123	121	21.25	49.0-138			1.50	25.3
1,1,2-Trichloroethane	0.0250	ND	0.571	0.563	108	106	21.25	52.3-132			1.56	23.4
Trichloroethene	0.0250	ND	0.589	0.582	111	109	21.25	48.0-132			1.29	24.8
1,2,3-Trichloropropane	0.0250	ND	0.548	0.560	103	105	21.25	44.4-138			2.21	26.3
Trichlorofluoromethane	0.0250	ND	0.506	0.524	95.3	98.7	21.25	12.8-169			3.50	29.7
1,2,4-Trimethylbenzene	0.0250	0.0107	0.541	0.546	99.8	101	21.25	32.9-139			0.880	30.6
1,3,5-Trimethylbenzene	0.0250	0.0130	0.597	0.599	110	110	21.25	37.1-138			0.410	30.6
Vinyl chloride	0.0250	ND	0.581	0.604	109	114	21.25	32.0-146			3.92	26.3
Xylenes, Total	0.0750	0.0958	1.88	1.87	112	111	21.25	42.7-135			0.680	26.6
(S) Toluene-d8					*105*	*104*		*88.7-115*				
(S) Dibromofluoromethane					*107*	*106*		*76.3-123*				
(S) 4-Bromofluorobenzene					*96.2*	*96.8*		*69.7-129*				

Method Blank (MB)

(MB) 11/20/15 03:09

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Acenaphthene	ND		0.00100
Acenaphthylene	ND		0.00100
Anthracene	ND		0.00100
Benzidine	ND		0.0100
Benzo(a)anthracene	ND		0.00100
Benzo(b)fluoranthene	ND		0.00100
Benzo(k)fluoranthene	ND		0.00100
Benzo(g,h,i)perylene	ND		0.00100
Benzo(a)pyrene	ND		0.00100
Bis(2-chlorethoxy)methane	ND		0.0100
Bis(2-chloroethyl)ether	ND		0.0100
Bis(2-chloroisopropyl)ether	ND		0.0100
4-Bromophenyl-phenylether	ND		0.0100
2-Chloronaphthalene	ND		0.00100
4-Chlorophenyl-phenylether	ND		0.0100
Chrysene	ND		0.00100
Dibenz(a,h)anthracene	ND		0.00100
3,3-Dichlorobenzidine	ND		0.0100
2,4-Dinitrotoluene	ND		0.0100
2,6-Dinitrotoluene	ND		0.0100
Fluoranthene	ND		0.00100
Fluorene	ND		0.00100
Hexachlorobenzene	ND		0.00100
Hexachloro-1,3-butadiene	ND		0.0100
Hexachlorocyclopentadiene	ND		0.0100
Hexachloroethane	ND		0.0100
Indeno(1,2,3-cd)pyrene	ND		0.00100
Isophorone	ND		0.0100
Naphthalene	ND		0.00100
Nitrobenzene	ND		0.0100
n-Nitrosodimethylamine	ND		0.0100
n-Nitrosodiphenylamine	ND		0.0100
n-Nitrosodi-n-propylamine	ND		0.0100
Phenanthrene	ND		0.00100
Benzylbutyl phthalate	ND		0.00300
Bis(2-ethylhexyl)phthalate	ND		0.00300

Method Blank (MB)

(MB) 11/20/15 03:09

Analyte	MB Result mg/l	MB Qualifier	MB RDL mg/l
Di-n-butyl phthalate	ND		0.00300
Diethyl phthalate	ND		0.00300
Dimethyl phthalate	ND		0.00300
Di-n-octyl phthalate	ND		0.00300
Pyrene	ND		0.00100
1,2,4-Trichlorobenzene	ND		0.0100
4-Chloro-3-methylphenol	ND		0.0100
2-Chlorophenol	ND		0.0100
2,4-Dichlorophenol	ND		0.0100
2,4-Dimethylphenol	ND		0.0100
4,6-Dinitro-2-methylphenol	ND		0.0100
2,4-Dinitrophenol	ND		0.0100
2-Nitrophenol	ND		0.0100
4-Nitrophenol	ND		0.0100
Pentachlorophenol	ND		0.0100
Phenol	ND		0.0100
2,4,6-Trichlorophenol	ND		0.0100
(S) Nitrobenzene-d5	*54.5*		*21.8-123*
(S) 2-Fluorobiphenyl	*58.0*		*29.5-131*
(S) p-Terphenyl-d14	*69.3*		*29.3-137*
(S) Phenol-d5	*27.4*		*5.00-70.1*
(S) 2-Fluorophenol	*28.1*		*10.0-77.9*
(S) 2,4,6-Tribromophenol	*81.1*		*11.2-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/20/15 02:22 • (LCSD) 11/20/15 02:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.0500	0.0291	0.0316	58.3	63.3	38.7-109			8.21	21.5
Acenaphthylene	0.0500	0.0307	0.0320	61.5	64.0	36.0-106			4.00	21
Anthracene	0.0500	0.0342	0.0361	68.4	72.2	43.6-113			5.43	18.8
Benzidine	0.0500	0.0237	0.0169	47.5	33.7	10.0-165			33.9	40
Benzo(a)anthracene	0.0500	0.0281	0.0304	56.2	60.9	51.2-112			7.93	20
Benzo(b)fluoranthene	0.0500	0.0330	0.0315	65.9	63.0	47.6-111			4.56	20
Benzo(k)fluoranthene	0.0500	0.0333	0.0341	66.6	68.2	49.4-114			2.30	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/20/15 02:22 • (LCSD) 11/20/15 02:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(g,h,i)perylene	0.0500	0.0310	0.0291	62.1	58.2	45.2-117			6.37	20
Benzo(a)pyrene	0.0500	0.0307	0.0312	61.4	62.5	45.6-106			1.79	20
Bis(2-chlorethoxy)methane	0.0500	0.0326	0.0320	65.2	64.1	37.2-111			1.78	24.1
Bis(2-chloroethyl)ether	0.0500	0.0391	0.0415	78.3	82.9	22.6-108			5.80	27.9
Bis(2-chloroisopropyl)ether	0.0500	0.0339	0.0351	67.9	70.2	32.9-100			3.45	25.1
4-Bromophenyl-phenylether	0.0500	0.0343	0.0341	68.7	68.1	40.7-116			0.850	21
2-Chloronaphthalene	0.0500	0.0321	0.0331	64.1	66.1	33.6-105			3.10	23
4-Chlorophenyl-phenylether	0.0500	0.0313	0.0317	62.7	63.5	39.0-113			1.23	20.9
Chrysene	0.0500	0.0288	0.0312	57.6	62.4	54.6-120			7.96	20
Dibenz(a,h)anthracene	0.0500	0.0331	0.0300	66.3	60.1	42.8-118			9.81	20
3,3-Dichlorobenzidine	0.0500	0.0327	0.0351	65.3	70.2	27.2-142			7.27	22.3
2,4-Dinitrotoluene	0.0500	0.0327	0.0328	65.4	65.6	31.2-105			0.300	22
2,6-Dinitrotoluene	0.0500	0.0327	0.0354	65.3	70.8	30.6-106			8.03	23.1
Fluoranthene	0.0500	0.0334	0.0381	66.8	76.2	45.9-115			13.2	20
Fluorene	0.0500	0.0315	0.0328	63.0	65.6	41.0-112			4.04	20.2
Hexachlorobenzene	0.0500	0.0376	0.0341	75.3	68.3	38.5-116			9.73	20.1
Hexachloro-1,3-butadiene	0.0500	0.0275	0.0290	55.0	58.0	16.1-104			5.27	31.2
Hexachlorocyclopentadiene	0.0500	0.0189	0.0178	37.8	35.7	10.0-121			5.62	27.9
Hexachloroethane	0.0500	0.0307	0.0314	61.4	62.9	16.5-89.8			2.47	30.7
Indeno(1,2,3-cd)pyrene	0.0500	0.0321	0.0294	64.1	58.7	45.0-116			8.84	20
Isophorone	0.0500	0.0339	0.0339	67.8	67.9	35.4-112			0.0800	21.5
Naphthalene	0.0500	0.0298	0.0311	59.5	62.1	32.2-101			4.28	23.8
Nitrobenzene	0.0500	0.0325	0.0340	65.0	68.0	31.4-106			4.51	25.7
n-Nitrosodimethylamine	0.0500	0.0285	0.0349	57.0	69.8	10.0-80.1			20.2	37.5
n-Nitrosodiphenylamine	0.0500	0.0353	0.0374	70.5	74.8	44.4-113			5.95	20
n-Nitrosodi-n-propylamine	0.0500	0.0337	0.0372	67.4	74.5	33.2-106			9.88	23.7
Phenanthrene	0.0500	0.0323	0.0349	64.6	69.9	46.4-113			7.79	20
Benzylbutyl phthalate	0.0500	0.0322	0.0366	64.4	73.1	31.8-123			12.7	20.7
Bis(2-ethylhexyl)phthalate	0.0500	0.0315	0.0345	63.0	68.9	36.9-134			8.93	23.6
Di-n-butyl phthalate	0.0500	0.0340	0.0373	68.1	74.5	41.8-120			9.04	20.2
Diethyl phthalate	0.0500	0.0324	0.0355	64.9	71.1	36.5-129			9.10	20
Dimethyl phthalate	0.0500	0.0320	0.0340	63.9	68.1	35.3-128			6.26	20.8
Di-n-octyl phthalate	0.0500	0.0320	0.0350	64.1	70.1	39.7-112			8.94	21.1
Pyrene	0.0500	0.0306	0.0336	61.2	67.2	46.3-117			9.40	20
1,2,4-Trichlorobenzene	0.0500	0.0285	0.0301	57.0	60.3	22.9-96.1			5.55	27.5
4-Chloro-3-methylphenol	0.0500	0.0325	0.0341	65.0	68.3	35.7-100			4.96	22.9

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/20/15 02:22 • (LCSD) 11/20/15 02:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Chlorophenol	0.0500	0.0311	0.0317	62.3	63.5	26.2-91.5			1.90	26.5
2,4-Dichlorophenol	0.0500	0.0330	0.0341	66.1	68.2	31.4-103			3.22	24.9
2,4-Dimethylphenol	0.0500	0.0339	0.0333	67.8	66.6	31.9-107			1.83	25.7
4,6-Dinitro-2-methylphenol	0.0500	0.0284	0.00980	56.7	19.6	18.4-148		J3	97.3	24.4
2,4-Dinitrophenol	0.0500	0.0171	0.00755	34.3	15.1	24.2-128		J3 J4	77.6	20.5
2-Nitrophenol	0.0500	0.0313	0.0306	62.6	61.3	25.9-106			2.20	26.9
4-Nitrophenol	0.0500	0.0130	0.00432	26.0	8.64	10.0-52.7		J3 J4	100	40
Pentachlorophenol	0.0500	0.0348	0.0130	69.7	26.0	10.0-97.4		J3	91.3	35.1
Phenol	0.0500	0.0176	0.0171	35.2	34.3	10.0-57.9			2.74	35
2,4,6-Trichlorophenol	0.0500	0.0314	0.0204	62.7	40.9	29.8-107		J3	42.2	24.1
(S) Nitrobenzene-d5				*59.6*	*62.1*	*21.8-123*				
(S) 2-Fluorobiphenyl				*64.0*	*70.9*	*29.5-131*				
(S) p-Terphenyl-d14				*67.9*	*76.5*	*29.3-137*				
(S) Phenol-d5				*34.7*	*34.2*	*5.00-70.1*				
(S) 2-Fluorophenol				*41.2*	*38.0*	*10.0-77.9*				
(S) 2,4,6-Tribromophenol				*81.4*	*63.5*	*11.2-130*				

Method Blank (MB)

(MB) 11/18/15 19:44

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Acenaphthene	ND		0.0330
Acenaphthylene	ND		0.0330
Anthracene	ND		0.0330
Benzidine	ND		0.333
Benzo(a)anthracene	ND		0.0330
Benzo(b)fluoranthene	ND		0.0330
Benzo(k)fluoranthene	ND		0.0330
Benzo(g,h,i)perylene	ND		0.0330
Benzo(a)pyrene	ND		0.0330
Bis(2-chlorethoxy)methane	ND		0.333
Bis(2-chloroethyl)ether	ND		0.333
Bis(2-chloroisopropyl)ether	ND		0.333
4-Bromophenyl-phenylether	ND		0.333
2-Chloronaphthalene	ND		0.0330
4-Chlorophenyl-phenylether	ND		0.333
Chrysene	ND		0.0330
Dibenz(a,h)anthracene	ND		0.0330
3,3-Dichlorobenzidine	ND		0.333
2,4-Dinitrotoluene	ND		0.333
2,6-Dinitrotoluene	ND		0.333
Fluoranthene	ND		0.0330
Fluorene	ND		0.0330
Hexachlorobenzene	ND		0.333
Hexachloro-1,3-butadiene	ND		0.333
Hexachlorocyclopentadiene	ND		0.333
Hexachloroethane	ND		0.333
Indeno(1,2,3-cd)pyrene	ND		0.0330
Isophorone	ND		0.333
Naphthalene	ND		0.0330
Nitrobenzene	ND		0.333
n-Nitrosodimethylamine	ND		0.333
n-Nitrosodiphenylamine	ND		0.333
n-Nitrosodi-n-propylamine	ND		0.333
Phenanthrene	ND		0.0330
Benzylbutyl phthalate	ND		0.333
Bis(2-ethylhexyl)phthalate	ND		0.333

Method Blank (MB)

(MB) 11/18/15 19:44

Analyte	MB Result mg/kg	MB Qualifier	MB RDL mg/kg
Di-n-butyl phthalate	ND		0.333
Diethyl phthalate	ND		0.333
Dimethyl phthalate	ND		0.333
Di-n-octyl phthalate	ND		0.333
Pyrene	ND		0.0330
1,2,4-Trichlorobenzene	ND		0.333
4-Chloro-3-methylphenol	ND		0.333
2-Chlorophenol	ND		0.333
2,4-Dichlorophenol	ND		0.333
2,4-Dimethylphenol	ND		0.333
4,6-Dinitro-2-methylphenol	ND		0.333
2,4-Dinitrophenol	ND		0.333
2-Nitrophenol	ND		0.333
4-Nitrophenol	ND		0.333
Pentachlorophenol	ND		0.333
Phenol	ND		0.333
2,4,6-Trichlorophenol	ND		0.333
(S) Nitrobenzene-d5	*75.8*		*21.9-129*
(S) 2-Fluorobiphenyl	*76.0*		*34.9-129*
(S) p-Terphenyl-d14	*80.9*		*21.5-128*
(S) Phenol-d5	*78.8*		*26.3-121*
(S) 2-Fluorophenol	*80.0*		*21.1-116*
(S) 2,4,6-Tribromophenol	*91.2*		*21.6-142*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/18/15 18:57 • (LCSD) 11/18/15 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	0.511	0.537	76.7	80.6	48.9-107			4.96	20
Acenaphthylene	0.667	0.519	0.551	77.7	82.6	49.2-111			6.10	20
Anthracene	0.667	0.527	0.549	79.0	82.3	52.0-112			4.12	20
Benzidine	0.667	0.124	0.0570	18.6	8.55	0.000-48.0		J3	73.9	40
Benzo(a)anthracene	0.667	0.503	0.521	75.5	78.1	52.3-106			3.49	20
Benzo(b)fluoranthene	0.667	0.483	0.521	72.4	78.2	51.3-106			7.70	20
Benzo(k)fluoranthene	0.667	0.502	0.511	75.3	76.6	52.9-107			1.66	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/18/15 18:57 • (LCSD) 11/18/15 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzo(g,h,i)perylene	0.667	0.508	0.532	76.2	79.7	45.8-108			4.49	20
Benzo(a)pyrene	0.667	0.500	0.523	75.0	78.4	51.9-106			4.45	20
Bis(2-chlorethoxy)methane	0.667	0.485	0.516	72.7	77.4	44.9-108			6.26	20
Bis(2-chloroethyl)ether	0.667	0.451	0.475	67.6	71.3	32.5-112			5.32	26
Bis(2-chloroisopropyl)ether	0.667	0.489	0.513	73.4	76.9	40.4-99.0			4.64	20.7
4-Bromophenyl-phenylether	0.667	0.524	0.559	78.6	83.8	51.4-110			6.34	20
2-Chloronaphthalene	0.667	0.515	0.540	77.2	80.9	47.1-105			4.69	20
4-Chlorophenyl-phenylether	0.667	0.498	0.533	74.7	79.9	48.1-108			6.64	20
Chrysene	0.667	0.487	0.505	73.0	75.8	54.4-110			3.77	20
Dibenz(a,h)anthracene	0.667	0.513	0.537	76.9	80.6	45.7-111			4.70	20
3,3-Dichlorobenzidine	0.667	0.437	0.457	65.5	68.6	21.0-101			4.48	22
2,4-Dinitrotoluene	0.667	0.557	0.592	83.6	88.8	53.0-112			6.06	20
2,6-Dinitrotoluene	0.667	0.540	0.605	80.9	90.7	51.6-110			11.4	20
Fluoranthene	0.667	0.549	0.568	82.3	85.2	53.7-110			3.44	20
Fluorene	0.667	0.519	0.550	77.8	82.5	51.1-109			5.85	20
Hexachlorobenzene	0.667	0.596	0.614	89.4	92.0	43.2-104			2.88	20.1
Hexachloro-1,3-butadiene	0.667	0.479	0.498	71.8	74.6	41.5-112			3.90	20
Hexachlorocyclopentadiene	0.667	0.288	0.288	43.1	43.1	13.5-123			0.0400	20.7
Hexachloroethane	0.667	0.476	0.497	71.3	74.5	36.2-103			4.43	22.7
Indeno(1,2,3-cd)pyrene	0.667	0.526	0.552	78.8	82.8	47.5-109			4.95	20
Isophorone	0.667	0.575	0.592	86.3	88.8	28.8-104			2.84	20
Naphthalene	0.667	0.476	0.496	71.3	74.3	43.4-103			4.12	20
Nitrobenzene	0.667	0.523	0.539	78.4	80.8	40.7-109			3.01	21
n-Nitrosodimethylamine	0.667	0.500	0.491	74.9	73.6	18.1-122			1.80	23.5
n-Nitrosodiphenylamine	0.667	0.500	0.514	75.0	77.0	48.8-107			2.63	20
n-Nitrosodi-n-propylamine	0.667	0.531	0.561	79.6	84.2	43.3-109			5.57	20
Phenanthrene	0.667	0.508	0.522	76.2	78.2	51.6-107			2.67	20
Benzylbutyl phthalate	0.667	0.552	0.578	82.7	86.7	47.5-115			4.71	20
Bis(2-ethylhexyl)phthalate	0.667	0.562	0.589	84.2	88.4	48.1-116			4.82	20.5
Di-n-butyl phthalate	0.667	0.586	0.619	87.9	92.9	49.7-113			5.50	20
Diethyl phthalate	0.667	0.541	0.569	81.0	85.3	52.0-112			5.11	20
Dimethyl phthalate	0.667	0.532	0.552	79.7	82.8	51.4-108			3.76	20
Di-n-octyl phthalate	0.667	0.559	0.589	83.8	88.4	49.6-112			5.29	22
Pyrene	0.667	0.469	0.493	70.3	74.0	47.1-108			5.08	20
1,2,4-Trichlorobenzene	0.667	0.457	0.462	68.5	69.3	39.8-100			1.25	20
4-Chloro-3-methylphenol	0.667	0.515	0.551	77.2	82.6	51.1-113			6.71	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 11/18/15 18:57 • (LCSD) 11/18/15 19:21

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
2-Chlorophenol	0.667	0.474	0.502	71.0	75.3	40.8-103			5.84	20
2,4-Dichlorophenol	0.667	0.512	0.532	76.7	79.7	46.2-109			3.82	20
2,4-Dimethylphenol	0.667	0.493	0.501	73.9	75.1	42.2-110			1.57	20
4,6-Dinitro-2-methylphenol	0.667	0.513	0.516	76.9	77.3	23.1-119			0.560	23.7
2,4-Dinitrophenol	0.667	0.293	0.309	44.0	46.3	10.0-105			5.17	36.5
2-Nitrophenol	0.667	0.527	0.557	79.0	83.5	44.2-113			5.54	20.9
4-Nitrophenol	0.667	0.516	0.558	77.4	83.7	34.8-109			7.85	20
Pentachlorophenol	0.667	0.515	0.509	77.3	76.3	16.2-102			1.26	22.9
Phenol	0.667	0.507	0.535	76.1	80.2	41.5-106			5.28	20
2,4,6-Trichlorophenol	0.667	0.473	0.499	70.9	74.8	44.4-108			5.23	20
(S) Nitrobenzene-d5				*74.6*	*78.7*	*21.9-129*				
(S) 2-Fluorobiphenyl				*72.6*	*75.5*	*34.9-129*				
(S) p-Terphenyl-d14				*74.4*	*78.1*	*21.5-128*				
(S) Phenol-d5				*75.2*	*78.6*	*26.3-121*				
(S) 2-Fluorophenol				*75.1*	*77.7*	*21.1-116*				
(S) 2,4,6-Tribromophenol				*98.9*	*102*	*21.6-142*				

L801134-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/18/15 20:08 • (MS) 11/18/15 20:31 • (MSD) 11/18/15 20:54

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.667	0.0553	0.652	0.634	89.4	86.8	1	32.2-134			2.71	27.3
Acenaphthylene	0.667	0.00935	0.568	0.588	83.7	86.7	1	38.7-129			3.50	25.9
Anthracene	0.667	0.00904	0.675	0.612	99.9	90.5	1	32.3-137			9.75	28.4
Benzidine	0.667	ND	0.0818	0.0805	12.3	12.1	1	0.000-49.9			1.60	40
Benzo(a)anthracene	0.667	ND	0.513	0.519	76.9	77.8	1	33.3-124			1.16	29
Benzo(b)fluoranthene	0.667	ND	0.480	0.508	72.0	76.2	1	23.3-133			5.65	30.3
Benzo(k)fluoranthene	0.667	ND	0.499	0.525	74.8	78.6	1	31.0-129			5.00	26.7
Benzo(g,h,i)perylene	0.667	ND	0.500	0.525	74.9	78.7	1	10.0-127			4.96	31.9
Benzo(a)pyrene	0.667	ND	0.487	0.515	73.0	77.1	1	28.2-128			5.45	28.4
Bis(2-chlorethoxy)methane	0.667	ND	0.537	0.554	80.6	83.1	1	35.0-132			3.03	26.1
Bis(2-chloroethyl)ether	0.667	ND	0.503	0.493	75.4	73.9	1	28.8-128			1.99	33.6
Bis(2-chloroisopropyl)ether	0.667	ND	0.571	0.555	85.7	83.2	1	31.8-118			2.90	31.7
4-Bromophenyl-phenylether	0.667	ND	0.619	0.585	92.9	87.7	1	39.0-130			5.77	26
2-Chloronaphthalene	0.667	ND	0.514	0.564	77.1	84.6	1	37.5-123			9.30	26.5

L801134-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/18/15 20:08 • (MS) 11/18/15 20:31 • (MSD) 11/18/15 20:54

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
4-Chlorophenyl-phenylether	0.667	ND	0.529	0.544	79.3	81.5	1	37.9-123			2.82	25.9
Chrysene	0.667	ND	0.503	0.519	75.5	77.8	1	36.3-129			3.11	28
Dibenz(a,h)anthracene	0.667	ND	0.513	0.536	76.8	80.4	1	10.5-128			4.53	29.5
3,3-Dichlorobenzidine	0.667	ND	0.487	0.511	73.0	76.6	1	10.0-129			4.83	40
2,4-Dinitrotoluene	0.667	ND	0.753	0.719	113	108	1	27.8-147			4.56	29.7
2,6-Dinitrotoluene	0.667	ND	0.624	0.659	93.5	98.8	1	36.5-137			5.57	29.7
Fluoranthene	0.667	0.00429	0.528	0.557	78.5	82.8	1	27.9-138			5.29	26.9
Fluorene	0.667	0.0519	0.671	0.662	92.8	91.4	1	34.0-133			1.39	27.1
Hexachlorobenzene	0.667	ND	0.617	0.644	92.4	96.6	1	34.4-116			4.36	25.4
Hexachloro-1,3-butadiene	0.667	ND	0.501	0.509	75.0	76.4	1	36.5-125			1.74	29.7
Hexachlorocyclopentadiene	0.667	ND	0.279	0.300	41.9	45.0	1	10.0-124			7.27	37.5
Hexachloroethane	0.667	ND	0.665	0.601	99.6	90.1	1	11.3-143			10.1	31.9
Indeno(1,2,3-cd)pyrene	0.667	ND	0.520	0.552	78.0	82.8	1	10.0-128			5.97	31.5
Isophorone	0.667	0.0124	0.620	0.640	91.2	94.1	1	25.7-116			3.06	27.7
Naphthalene	0.667	0.0173	0.584	0.555	85.0	80.7	1	36.4-121			5.00	27.2
Nitrobenzene	0.667	ND	0.578	0.579	86.7	86.8	1	30.9-134			0.0800	27.8
n-Nitrosodimethylamine	0.667	ND	0.523	0.514	78.4	77.0	1	19.2-127			1.73	32
n-Nitrosodiphenylamine	0.667	ND	1.00	0.753	150	113	1	26.8-133	J5	J3	28.3	25.9
n-Nitrosodi-n-propylamine	0.667	ND	0.637	0.613	95.4	91.9	1	33.0-134			3.84	28.2
Phenanthrene	0.667	0.113	0.782	0.689	100	86.4	1	30.8-137			12.6	26.5
Benzylbutyl phthalate	0.667	ND	0.563	0.586	84.4	87.8	1	33.4-128			3.94	28.5
Bis(2-ethylhexyl)phthalate	0.667	ND	0.583	0.606	87.4	90.9	1	21.8-141			3.87	35.2
Di-n-butyl phthalate	0.667	ND	0.602	0.611	90.3	91.6	1	32.2-133			1.52	25.9
Diethyl phthalate	0.667	ND	0.631	0.656	94.6	98.3	1	39.4-136			3.83	25.5
Dimethyl phthalate	0.667	ND	0.641	0.655	96.1	98.2	1	35.8-137			2.10	25.4
Di-n-octyl phthalate	0.667	ND	0.579	0.599	86.8	89.8	1	28.5-128			3.41	32.5
Pyrene	0.667	0.00769	0.510	0.515	75.3	76.0	1	24.1-130			0.940	29.9
1,2,4-Trichlorobenzene	0.667	ND	0.492	0.501	73.7	75.1	1	36.5-114			1.83	28.4
4-Chloro-3-methylphenol	0.667	ND	0.650	0.616	97.5	92.4	1	27.0-154			5.45	26.6
2-Chlorophenol	0.667	ND	0.535	0.545	80.3	81.6	1	33.2-121			1.68	29.3
2,4-Dichlorophenol	0.667	ND	0.563	0.579	84.5	86.8	1	34.8-134			2.75	27.3
2,4-Dimethylphenol	0.667	ND	0.577	0.572	86.5	85.8	1	12.3-149			0.820	32.3
4,6-Dinitro-2-methylphenol	0.667	ND	0.657	0.667	98.5	100	1	10.0-144			1.50	32.7
2,4-Dinitrophenol	0.667	ND	0.498	0.497	74.7	74.5	1	10.0-121			0.260	39.4
2-Nitrophenol	0.667	ND	0.593	0.620	88.9	93.0	1	29.5-144			4.52	29.9
4-Nitrophenol	0.667	ND	0.950	0.807	142	121	1	20.0-133	J5		16.3	30.2

L801134-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 11/18/15 20:08 • (MS) 11/18/15 20:31 • (MSD) 11/18/15 20:54

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Pentachlorophenol	0.667	ND	0.680	0.700	102	105	1	10.0-139			2.91	28.3
Phenol	0.667	ND	0.555	0.552	83.1	82.8	1	25.1-130			0.460	29.6
2,4,6-Trichlorophenol	0.667	ND	0.509	0.552	76.3	82.8	1	33.8-133			8.24	28.1
(S) Nitrobenzene-d5					*82.7*	*84.0*		*21.9-129*				
(S) 2-Fluorobiphenyl					*74.5*	*82.0*		*34.9-129*				
(S) p-Terphenyl-d14					*80.9*	*82.1*		*21.5-128*				
(S) Phenol-d5					*83.2*	*81.5*		*26.3-121*				
(S) 2-Fluorophenol					*85.2*	*83.2*		*21.1-116*				
(S) 2,4,6-Tribromophenol					*120*	*114*		*21.6-142*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND,U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
SDL	Sample Detection Limit.
MQL	Method Quantitation Limit.
Unadj. MQL	Unadjusted Method Quantitation Limit.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.**

State Accreditations

Alabama	40660
Alaska	UST-080
Arizona	AZ0612
Arkansas	88-0469
California	01157CA
Colorado	TN00003
Conneticut	PH-0197
Florida	E87487
Georgia	NELAP
Georgia [1]	923
Idaho	TN00003
Illinois	200008
Indiana	C-TN-01
Iowa	364
Kansas	E-10277
Kentucky [1]	90010
Kentucky [2]	16
Louisiana	AI30792
Maine	TN0002
Maryland	324
Massachusetts	M-TN003
Michigan	9958
Minnesota	047-999-395
Mississippi	TN00003
Missouri	340
Montana	CERT0086
Nebraska	NE-OS-15-05
Nevada	TN-03-2002-34
New Hampshire	2975
New Jersey–NELAP	TN002
New Mexico	TN00003
New York	11742
North Carolina	Env375
North Carolina [1]	DW21704
North Carolina [2]	41
North Dakota	R-140
Ohio–VAP	CL0069
Oklahoma	9915
Oregon	TN200002
Pennsylvania	68-02979
Rhode Island	221
South Carolina	84004
South Dakota	n/a
Tennessee [1 4]	2006
Texas	T 104704245-07-TX
Texas [5]	LAB0152
Utah	6157585858
Vermont	VT2006
Virginia	109
Washington	C1915
West Virginia	233
Wisconsin	9980939910
Wyoming	A2LA

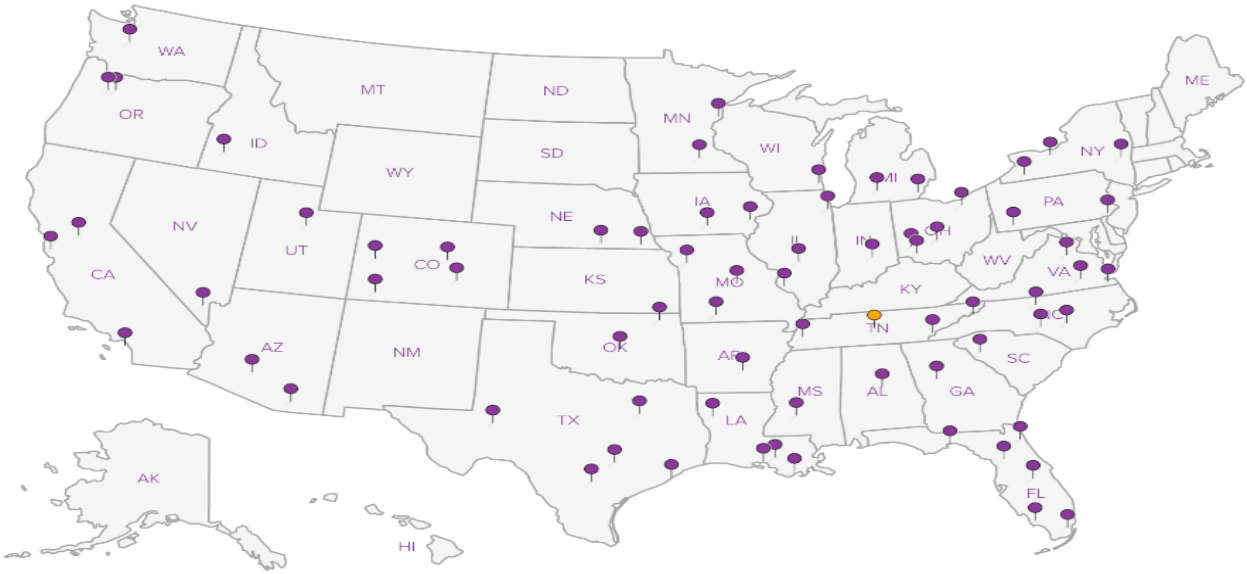
Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01
A2LA – ISO 17025 [5]	1461.02
Canada	1461.01
EPA–Crypto	TN00003
AIHA	100789
DOD	1461.01
USDA	S-67674

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [n/a] Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. **ESC Lab Sciences performs all testing at our central laboratory.**



Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
WITHRAVS - Regular
WITHRAVS - 6200FULL
WITHRAVS - STATELEAD

Report to: Cfay @withersravenel.com
Email to:

Project Description: Otway Dump
City/State Collected: Otway NC
Phone: (919) 469-3340
FAX:
Client Project #: 02100001.21
ESC Key: see above
Collected by: Chris Fay
Site/Facility ID#:
P.O.#:
Collected by (signature):
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

Analysis/Container/Preservative

Chain of Custody
Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

F074

CoCode WITHRAVS (lab use only)
Template/Prelogin
Shipped Via: L801387

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs by 8260	1,4 Dioxane by 8260 SIM	SVOCs by 8270	14 metals by 6020 <2	Mercury 7471 <2	Ammonia 4500 <2	Nitrates 300	Sulfates 300	Remarks/Contaminant	Sample # (lab only)
SW-3	Grab	GW	NA	11/16/15	0930	9	X	X	X	X	X	X	X	X		-01/-02
SD-3		SS			0950	10	X	X	X	X	X	X	X	X		-03/-04
SW-4		GW			0940	9	X	X	X	X	X	X	X	X		-05/-06
SD4		SS			1000	10	X	X	X	X	X	X	X	X		-07/-08
SB-31-0-6"			0-6"		1118		X	X	X	X	X	X	X	X		-09/-10
SB-32-0-6"			0-6"		1129	9	X	X	X	X	X	X	X	X		-11/-12
SB-33-0-6"			0-6"		1143		X	X	X	X	X	X	X	X		-13/-14
SB-34-0-6"			0-6"		1052		X	X	X	X	X	X	X	X		-15/-16
SB-35-0-6"			0-6"		1159		X	X	X	X	X	X	X	X		-17/-18

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks: 6436 71375211 (5200, 5222)

Relinquished by: (Signature)	Date: 11/16	Time: 1500	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only) MU OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 / Bottles Received: 87	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-17-15 / Time: 900	pH Checked: <2 / NCF:

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
WITHRAVS - Regular
WITHRAVS - 6200FULL
WITHRAVS - STATELEAD

Report to: Cfay @withersravenel.com
Email to:

Chain of Custody
Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

Project Description: Otway Dump
City/State Collected: Otway NC
Phone: (919) 469-3340
FAX:
Client Project #: 02100001.21
ESC Key: see above
Collected by: Chris Fay
Site/Facility ID#:
P.O.#:
Collected by (signature):
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

CoCode WITHRAVS (lab use only)
Template/Prelogin
Shipped Via: L801382

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	VOCs by 8260	1,4 Dioxane by 8260 SIM	SVOCs 8270	Metals by 6020 <2	Mercury by 7471 <2	Ammonia 4500 <2	Nitrates 300	Sulfates 300	Remarks/Contaminant	Sample # (lab only)
SB-36-0-6"	Grab	SS	0-6"	11/16	1228	10	x	x	x	x	x	x	x	x		-19/-20
SB-37-0-6"			0-6"		1207	10	x	x	x	x	x	x	x	x		-21/-22
SB-38-0-6"			0-6"		1218	10	x	x	x	x	x	x	x	x		-23/-24
MW-1		GW	NA		1425	8	x	x	x	x	x	x	x	x		-25/-26
MW-2					1250	9	x	x	x	x	x	x	x	x		-27/-28
MW-3					1335	9	x	x	x	x	x	x	x	x		-29/-30
MW-4					1335	9	x	x	x	x	x	x	x	x		-31/-32
SW-Dup					0900	9	x	x	x	x	x	x	x	x		-33/-34
SD-Dup		SS			1010	10	x	x	x	x	x	x	x	x		-35/-36

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks: 6436 7137 5211 (5200, ~~5211~~) 5222

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐	Condition: (lab use only)
	11/16	1500			NF OK
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 32 / Bottles Received: 84	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-17-15 / Time: 900	pH Checked: <2 / NCF:

Withers & Ravenel Eng.
111 MacKenan Drive
Cary, NC 27511

Alternate billing information:
WITHRAVS - Regular
WITHRAVS - 6200FULL
WITHRAVS - STATELEAD

Report to: Cary @withersravenel.com
Email to:

Project Description: Otaroy
City/State Collected: Otaroy NC
Phone: (919) 469-3340
FAX:
Client Project #:
ESC Key: see above
Site/Facility ID#:
P.O.#:
Collected by: Chris Fay
Collected by (signature):
Packed on Ice N Y

Rush? (Lab MUST Be Notified)
____ Same Day.....200%
____ Next Day.....100%
____ Two Day.....50%
____ Three Day.....25%

Date Results Needed:
Email? __No__Yes
FAX? __No__Yes

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	8260 VOCs	1,4 Dioxane by 8260 SIM	SVOCs by 8270	14 Metals by 6020 <2	Mercury 7471 <2	Ammonia 4500 <2	Nitrates 300 ~~<2~~	Sulfates 300 ~~<2~~	Remarks/Contaminant	Sample # (lab only)
SB-Dup	Grab	SS	NA	11/16/15	1300	10	X	X	X	X	X	X	X	X		-37/-38
MW-Dup	↓	GW	↓	↓	1400	9	X	X	X	X	X	X	X	X		-39/-40
Trip Blank	↓	W	↓	↓	–	2	X									-41

Chain of Custody Page 1 of 1

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (615) 758-5858
Phone (800) 767-5859
FAX (615) 758-5859

CoCode WITHRAVS (lab use only)
Template/Prelogin
Shipped Via: L801382

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

pH _____ Temp _____
Flow _____ Other _____

Remarks: 6436 7137 5211 (5200, 5222)

Relinquished by: (Signature)	Date: 11/16	Time: 1500	Received by: (Signature)	Samples returned via: ☐ UPS ☒ FedEx ☐ Courier ☐ _____	Condition: (lab use only) MW
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.2 / Bottles Received: 21	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11-17-15 / Time: <2	pH Checked: / NCF:

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com raleighlab@emsl.com

EMSL Order:	291506748
CustomerID:	WITH51
CustomerPO:	
ProjectID:	

Attn: **Daniel Terry**
Withers & Ravenel
111 Mackenan Dr.
Cary, NC 27511

Phone:	(919) 460-6006
Fax:	(919) 467-6008
Received:	11/17/15 11:01 AM
Analysis Date:	11/23/2015
Collected:	11/16/2015

Project: **Otway Dump 02-100001.21**

Test Report: Qualitative asbestos analysis of soils using the EPA 600/R-93/116 method

Sample	Description	Appearance	Result	Notes
SB-31 *291506748-0001*		Tan/Beige Fibrous Heterogeneous	**None Detected**	
SB-32 *291506748-0002*		Brown/Tan Fibrous Homogeneous	**None Detected**	
SB-33 *291506748-0003*		Tan/Beige Fibrous Homogeneous	**None Detected**	
SB-34 *291506748-0004*		Tan/Beige Fibrous Homogeneous	**None Detected**	
SB-35 *291506748-0005*		Tan/Beige Fibrous Homogeneous	**None Detected**	
SB-36 *291506748-0006*		Brown/Tan/Beige Fibrous Homogeneous	**None Detected**	
SB-37 *291506748-0007*		Brown/Tan/Beige Fibrous Homogeneous	**None Detected**	
SB-38 *291506748-0008*		Brown/Tan/Beige Fibrous Heterogeneous	**None Detected**	

Analyst(s)
Essie Spencer (8)

Essie Spencer, Laboratory Manager
or other approved signatory

EMSL recommends that soil samples reported as "ND" be tested by the EPA Screening Method/Qualitative. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC

Initial report from 11/23/2015 13:16:58

THIS IS THE LAST PAGE OF THE REPORT.