Exhibit HH. Belle Grove Site Phase II Environmental Site Assessment

Baton Rouge Area Chamber®

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PHASE II ENVIRONMENTAL SITE ASSESSEMENT
Belle Grove Plantation
White Castle, Louisiana

Baton Rouge Area Chamber
564 Laurel Street, Baton Rouge, LA 70801

March 22, 2017

Prepared by:

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LOUISIANA BOARD OF PROFESSIONAL GEOSCIENTISTS
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3-22-17

Jennifer Lindquist, PG — Date

CK Project Number: 14678

EXECUTIVE SUMMARY

The objective of this Phase II Environmental Site Assessment was to quantify recognized environmental conditions (RECs) associated with a landfill present at the Belle Grove Plantation property in White Castle, Louisiana. This Phase II ESA was designed to evaluate whether constituents of concern (COCs) may have migrated from a landfill present on a portion of the property to the surrounding area via the soil and/or groundwater at concentrations that pose a risk to human health or the environment. This ESA has concluded that COCs have migrated from the landfill to the surrounding area via shallow groundwater. These COCs are not present in the soil or shallow groundwater at concentrations that are likely to pose a risk to human health or the environment.

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1.0 INTRODUCTION

CK Associates, LLC, (CK) was retained by the Baton Rouge Area Chamber (BRAC) to conduct a Phase II Environmental Site Assessment (ESA) in accordance with ASTM 1903-11 *Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process* at the Belle Grove Plantation property in White Castle, Louisiana (**Figure 1**).

1.1 Background

The Belle Grove property consists of a 558-acre parcel of actively cultivated sugar cane fields located along Highway 405 near White Castle, Iberville Parish, Louisiana. The property is located within a primarily rural and agricultural corridor along Highway 405 and Clark Road, with scattered residential structures and industrial facilities in the vicinity.

A Phase I ESA dated October 13, 2016, completed by Professional Services Industries, Inc. (PSI), identified one recognized environmental condition (REC) in connection with the Belle Grove Plantation property: a landfill located on the northwest property boundary. The landfill is located on approximately 3.75-acres in the northwest corner of the 558-acre parcel (**Figure 2**). Records indicated that the landfill was used for the disposal of ammonia tank cleanings, carbon black, lime mud, cars, and industrial wastes. The Phase I ESA recommended that a Phase II ESA be conducted to investigate whether soil and/or groundwater have been impacted at the subject property.

1.2 Objective

The objective of this Phase II ESA was to quantify RECs associated with the landfill. Based on information provided in the Phase I ESA, this Phase II ESA was designed to evaluate whether constituent of concerns (COCs) may have migrated from the landfill to the surrounding area via the soil and/or groundwater at concentrations that pose a risk to human health or the environment. Analytical data generated from this Phase II ESA were evaluated with regard to the Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Program (RECAP) standards to determine potential risks.

2.0 WORK PERFORMED AND RATIONALE

Soil and groundwater sampling was designed and conducted under the guidance of a Louisiana-licensed professional geoscientist in accordance with applicable portions of RECAP.

2.1 Conceptual Site Model

The former landfill perimeter has been defined (**Figure 2**). The ground surface in the area of the landfill is slightly elevated above the surrounding fields and vegetated. Groundwater is assumed to flow toward the south, away from the Mississippi River levee. Potential pathways

for COC migration from the landfill include stormwater runoff to the surrounding soils, and transport via shallow groundwater.

2.2 Field Investigation

One boring was installed on each of four sides of the rectangular landfill in order to ascertain whether COCs have migrated outside of the landfill footprint. One additional boring was installed along the side of the landfill that is assumed to be the downgradient groundwater flow direction (**Figure 2**) in order to determine whether COCs have migrated via groundwater.

Walker-Hill, a Louisiana-licensed driller, installed the borings. Groundwater was encountered at approximately five feet below ground surface (bgs) in each boring, and all borings were advanced to 12 feet bgs. CK continuously sampled the soil from each boring and recorded the United Soil Classification System (USCS) soil type and observations on soil boring logs (**Appendix A**). Organic vapor readings were recorded at two-foot intervals with a photoionization detector (PID) and noted on the soil borings logs. One soil sample was collected at each boring location and submitted for laboratory analyses. Because all PID readings were zero, soil samples were collected from the soil-water interface

A one-inch temporary well with a 5-foot slotted screen was set at 12 feet bgs in each borehole. Each well was purged of three volumes or to dryness prior to sampling. Groundwater characteristics including temperature, pH, conductivity, and oxidation-reduction potential (ORP) were recorded prior to sampling. Temporary wells were removed upon the completion of sampling and grouted in accordance with the LDEQ's and Louisiana Department of Transportation and Development's *Construction of Geotechnical Boreholes and Groundwater Monitoring Systems Handbook*.

One duplicate sample of each matrix and a trip blank (for volatile compounds only) were collected for quality assurance/quality control (QA/QC) purposes. CK collected samples into laboratory-provided containers appropriate for the requested analyses. Samples for volatile organic compounds (VOCs) were collected in Terracores in accordance with EPA Method 5035. Unique sample identification, date and time of sample collection, and requested analyses were recorded on a chain-of-custody record that accompanied the samples at all times. Samples were stored in iced coolers and shipped via FedEx to ESC Lab Sciences, a LDEQ-accredited analytical laboratory.

Soil and groundwater at all locations were analyzed for COCs indicative of landfill leachate, specifically from ammonia tank cleanings, carbon black, lime mud, cars, and industrial wastes reported to have been deposited. These included Resource Conservation and Recovery Act (RCRA) metals, semi-volatile organic compounds (SVOCs), VOCs, and total petroleum hydrocarbon – gasoline range organics (TPH-GRO), diesel range organics (TPH-DRO), and oil range organics (TPH-ORO). Samples were analyzed by EPA SW-846 methodologies.

3.0 RESULTS

3.1 Geology and Hydrology

Borings revealed that the shallow soils surrounding the landfill consist primarily of interbedded clay and silty clay. Woody debris was noted at BG-1, and bricks and woody debris were noted at BG-4. A silty clay water bearing zone was encountered in all five borings at approximately five feet bgs. The zone ranged from three to six feet in thickness. All borings were terminated at 12 feet bgs. Boring logs are included in **Appendix A**.

3.2 Analytical Results

Soil analytical results were compared to RECAP screening standards. The limiting screening standard is the more conservative of the Soil_SSni (protective of a non-industrial use scenario) and the Soil_SSGW (protective of the soil to groundwater risk pathway). None of the sampled parameters exceeded RECAP limiting screening standard concentrations. The results of the soil sampling are summarized in **Table 1**.

Groundwater analytical results were compared to RECAP screening standards for groundwater (SS_GW). Arsenic and lead exceeded the SS_GW concentrations at all five sampling locations. Chromium exceeded the SS_GW concentration at BG-3. TPH-DRO exceeded the SS_GW concentration at BG-1 and BG-2. TPH-ORO exceeded the SS_GW concentration at BG-1. The results of the groundwater sampling, including field-measured groundwater characteristics, are summarized in **Table 2**.

The analytical report is included in **Appendix B**.

4.0 EVALUATION AND DISCUSSION

RECAP groundwater screening standards were developed to be protective of a drinking water source. Because the shallow groundwater at the site is unlikely to be used as a drinking water source, the groundwater COCs that exceeded RECAP screening standards were further evaluated under RECAP Management Option 1 (MO-1).

Groundwater has been classified as Groundwater 3 – Drinking Water (GW3DW) at the nearby Clean Harbors facility (LDEQ Agency Interest Number 8469, Electronic Database Management System ID 10511209). This classification has been applied to the Belle Grove site. Because true direction of groundwater flow at the site is unknown, the distance to the nearest surface waterbody (the Mississippi River) from the northern edge of the landfill (2,063 feet) was used in the development of groundwater standards. The groundwater zone thickness observed in borings BG-1 through BG-5 ranged from three to six feet. In accordance with RECAP Appendix H, a dilution attenuation factor (DAF3) of 440 was calculated and applied to the GW3DW concentrations found in RECAP Table 3 for arsenic, chromium, lead, TPH-DRO and TPH-ORO to

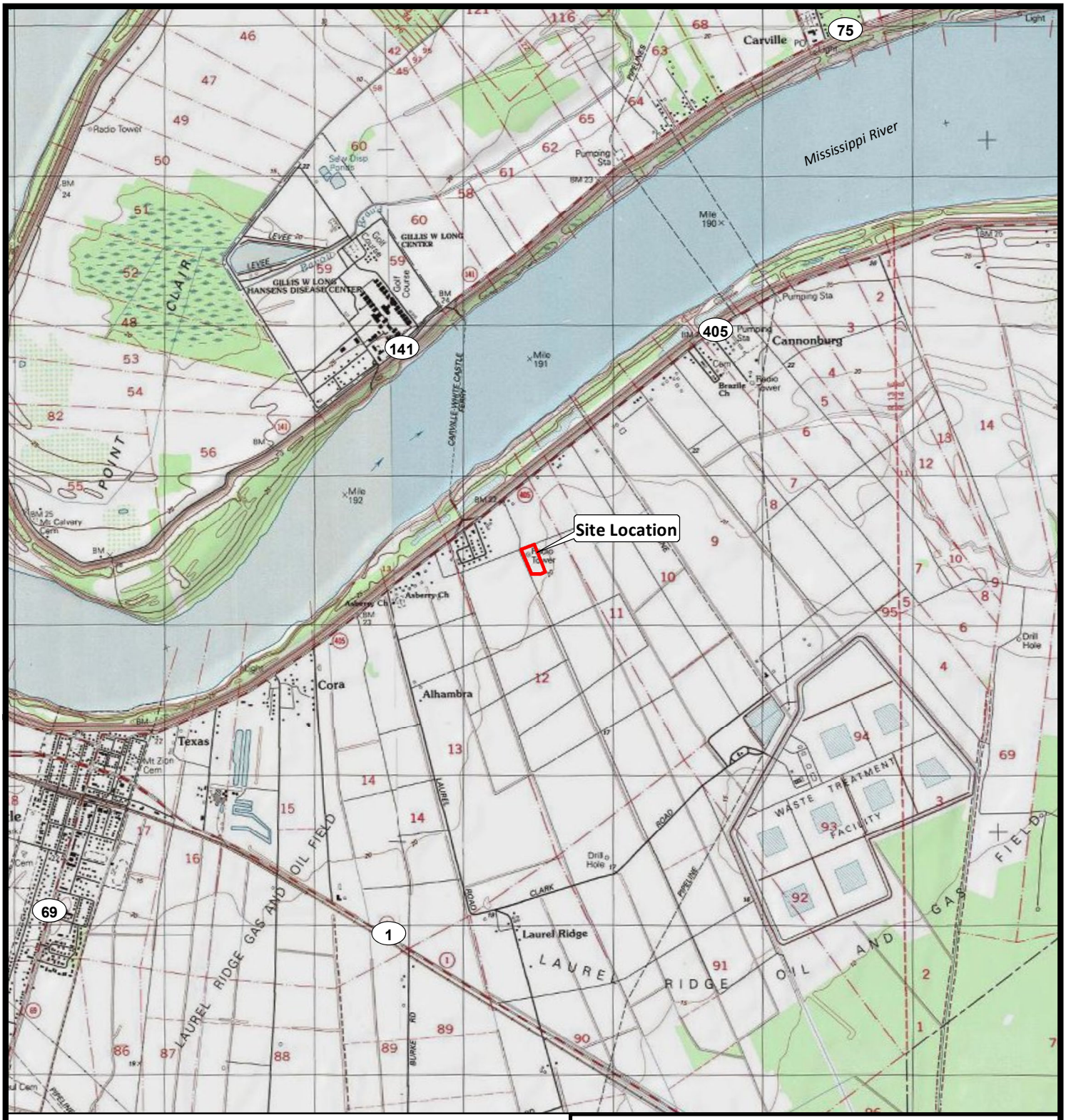
develop MO-1 standards. **Table 3** shows the development of the MO-1 standards. None of the concentrations detected in the groundwater exceed the calculated MO-1 standards.

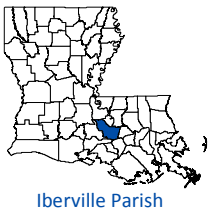
Although the RECAP evaluation demonstrates that the detected concentrations are unlikely to pose a risk to human health or the environment, the impact of the landfill is demonstrated by the presence of elevated concentrations of COCs on the presumed downgradient side of the landfill. Detected concentrations in the groundwater are consistently higher in BG-1 and BG-2 (presumed downgradient) than in the other three sampling locations. Field parameter measurements support this conclusion: conductivity is elevated in BG-1 and BG-2, suggesting the addition of COCs to the groundwater as it passes beneath the landfill. ORP of the groundwater changes from positive in BG-4 to negative in BG-1 and BG-2, suggesting that conditions become reducing as the groundwater passes beneath the landfill. These observations validate the conceptual site model and confirm that the appropriate environmental media and COCs were analyzed to meet the objectives of this ESA.

5.0 INTERPRETATION AND CONCLUSIONS

The objective of this Phase II ESA was to quantify RECs associated with the landfill. This Phase II ESA was designed to evaluate whether COCs may have migrated from the landfill to the surrounding area via the soil and/or groundwater at concentrations that pose a risk to human health or the environment. The objectives of this Phase II ESA have been met. This ESA has concluded that COCs have migrated from the landfill to the surrounding area via groundwater. These COCs are not present in the soil or shallow groundwater at concentrations that are likely to pose a risk to human health or the environment.

FIGURES





Iberville Parish

Legend

Survey Area

N

S

0 3,000 6,000

Feet

U.S.G.S. 24K Series Quad Map, Carville, LA.

esri Partner Network Silver

BRAC
Baton Rouge, Louisiana

Phase II ESA
Belle Grove Plantation

Site Location Map

Iberville Parish

CK Associates Environmental Consultants

Drawn:	CPL/AM10.5
Checked:	JAL
Approved:	JAL
Date:	03/13/2017
Dwg. No.:	A14678-01

Figure 1

Legend

Sample Locations

Survey Area

N

S

0 250 500

Feet

esri Partner Network Silver

U.S.G.S. 24K Series Quad Map, Carville, LA.

BRAC
Baton Rouge, Louisiana

Phase II ESA
Belle Grove Plantation

Sample Locations

Iberville Parish

CK Associates Environmental Consultants

Drawn:	CPL/AM10.5
Checked:	JAL
Approved:	JAL
Date:	03/14/2017
Dwg. No.:	A14678-02

Figure 2

TABLES

Table 1
Soil Results
Belle Grove Plantation

Project Sample ID			BG-1		BG-2		BG-2 DUP		BG-3		BG-4		BG-5	
Date Collected			03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017	
Analyte	SOIL_SSGW	SOIL_SSni	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
ARSENIC	100	12	2.19		2.81		3.02		2.83		4.5		3.58	
BARIUM	2000	550	85.2		107		126		124		135		105	
CADMIUM	20	3.9	<0.5		0.187	J	0.161	J	0.0823	J	0.16	J	0.17	J
CHROMIUM	100	12000	7.59		9.55		9.2		13.8		9.95		8.37	
LEAD	100	400	6.14		7.12		5.73		9.19		7.96		7.29	
SELENIUM	20	39	<2		<2		<2		<2		<2		<2	
SILVER	100	39	<1		<1		<1		<1		<1		<1	
MERCURY	4	2.3	0.00782	J	0.0102	J	0.0101	J	0.0108	J	0.0089	J	0.00794	J
C10-C28 DIESEL RANGE	65	65	<4	J3	<4		<4	J3	<4	J3	<4	J3	<4	J3
C28-C40 OIL RANGE	10000	180	<4		<4		<4		<4		<4		<4	
TPH (GC/FID) LOW FRACTION	65	65	0.484	J	0.0266	J	<0.1		<0.1		<0.1		<0.1	
HEXACHLORO-1,3-BUTADIENE	5.5	0.82	<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
ACETONE	1.5	170	<0.05		<0.05		<0.05		0.0118	J	0.0125	J	<0.988	
BENZENE	0.051	1.5	0.000294	J	0.000689	J	0.000877	J	0.000882	J	0.000899	J	<0.0198	
BROMODICHLOROMETHANE	0.92	1.8	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
BROMOFORM	1.8	48	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
BROMOMETHANE	0.04	0.43	<0.005		<0.005		<0.005		<0.005		<0.005		<0.0988	
CARBON DISULFIDE	11	36	<0.001		<0.001		<0.001		0.000317	J	0.000326	J	<0.0198	
CARBON TETRACHLORIDE	0.11	0.18	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
CHLOROBENZENE	3	17	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
CHLORODIBROMOMETHANE	1	2.2	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
CHLOROETHANE	0.035	4.1	<0.005		<0.005		<0.005		<0.005		<0.005		<0.0988	
CHLOROFORM	0.9	0.044	<0.005		<0.005		<0.005		<0.005		<0.005		<0.0988	
CHLOROMETHANE	0.1	3.5	<0.0025		<0.0025		<0.0025		<0.0025		<0.0025		<0.0494	
1,2-DIBROMO-3-CHLOROPROPANE	0.01	0.18	<0.005		<0.005		<0.005		<0.005		<0.005		<0.0988	
1,2-DICHLOROBENZENE	29	99	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,3-DICHLOROBENZENE	2.1	2.1	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,4-DICHLOROBENZENE	5.7	6.7	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
DICHLORODIFLUOROMETHANE	NA	NA	<0.005		<0.005		<0.005		<0.005		<0.005		<0.0988	
1,1-DICHLOROETHANE	7.5	66	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,2-DICHLOROETHANE	0.035	0.82	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,1-DICHLOROETHENE	0.085	13	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
CIS-1,2-DICHLOROETHENE	0.49	4.8	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
TRANS-1,2-DICHLOROETHENE	0.77	6.9	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,2-DICHLOROPROPANE	0.042	0.69	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
CIS-1,3-DICHLOROPROPENE	0.04	3.1	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
TRANS-1,3-DICHLOROPROPENE	0.04	3.1	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
ETHYLBENZENE	19	160	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
ISOBUTANOL	30	730	<0.1		<0.1		<0.1		<0.1		<0.1		<1.98	
2-BUTANONE (MEK)	5	590	<0.01		<0.01		<0.01		<0.01		<0.01		<0.198	
METHYLENE CHLORIDE	0.017	19	<0.005		<0.005		<0.005		<0.005		<0.005		<0.0988	
4-METHYL-2-PENTANONE (MIBK)	6.4	450	<0.01		<0.01		<0.01		<0.01		<0.01		<0.198	
METHYL TERT-BUTYL ETHER	0.077	650	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
NAPHTHALENE	1.5	6.2	<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
STYRENE	11	500	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,1,1,2-TETRACHLOROETHANE	0.046	2.7	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,1,2,2-TETRACHLOROETHANE	0.006	0.81	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
TETRACHLOROETHENE	0.18	8.3	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	

Table 1
Soil Results
Belle Grove Plantation

Project Sample ID			BG-1		BG-2		BG-2 DUP		BG-3		BG-4		BG-5	
Date Collected			03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017	
Analyte	SOIL_SSGW	SOIL_SSni	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
TOLUENE	20	68	<0.005		<0.005		<0.005		<0.005		0.000519	J	<0.0988	
1,2,4-TRICHLOROBENZENE	14	66	<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,1,1-TRICHLOROETHANE	4	82	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
1,1,2-TRICHLOROETHANE	0.058	1.9	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
TRICHLOROETHENE	0.073	0.1	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
TRICHLOROFLUOROMETHANE	37	38	<0.005		<0.005		<0.005		<0.005		<0.005		<0.0988	
VINYL CHLORIDE	0.013	0.24	<0.001		<0.001		<0.001		<0.001		<0.001		<0.0198	
XYLENES, TOTAL	150	18	<0.003		<0.003		<0.003		<0.003		<0.003		<0.0593	
DINOSEB	0.14	4.7	<0.33		<0.33		<0.33		<0.33		<0.33		<0.33	
3-NITROANILINE	1.7	13	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
4-NITROANILINE	1.7	10	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
ACENAPHTHENE	220	370	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
ACENAPHTHYLENE	88	350	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
ANILINE	0.065	2.4	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
ANTHRACENE	120	2200	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
BENZO(A)ANTHRACENE	330	0.62	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
BENZO(B)FLUORANTHENE	220	0.62	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
BENZO(K)FLUORANTHENE	120	6.2	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
BENZO(A)PYRENE	23	0.33	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
BIPHENYL	190	230	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
BIS(2-CHLOROETHYL)ETHER	0.33	0.33	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
BIS(2-CHLOROISOPROPYL)ETHER	0.8	4.9	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2-CHLORONAPHTHALENE	500	500	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
4-CHLOROANILINE	1.5	16	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
CHRYSENE	76	62	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
DIBENZ(A,H)ANTHRACENE	540	0.33	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
DIBENZOFURAN	24	29	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
3,3-DICHLOROBENZIDINE	1.8	0.97	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
M-DINITROBENZENE	0.25	0.45	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,4-DINITROTOLUENE	1	8.9	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,6-DINITROTOLUENE	0.39	4.3	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
FLUORANTHENE	1200	220	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
FLUORENE	230	280	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
HEXACHLOROBENZENE	9.6	0.34	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
HEXACHLOROCYCLOPENTADIENE	1200	1.4	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
HEXACHLOROETHANE	2.2	5.2	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
INDENO(1,2,3-CD)PYRENE	9.2	0.62	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
ISOPHORONE	0.56	340	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2-METHYLNAPHTHALENE	1.7	22	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
2-NITROANILINE	1.7	1.7	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
NITROBENZENE	0.33	2.2	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
N-NITROSODIPHENYLAMINE	2.1	90	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
N-NITROSODI-N-PROPYLAMINE	0.33	0.33	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
PHENANTHRENE	660	2100	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
BENZYLBUTYL PHTHALATE	220	220	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
BIS(2-ETHYLHEXYL)PHTHALATE	79	35	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
DIETHYL PHTHALATE	360	670	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
DIMETHYL PHTHALATE	1500	1500	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
DI-N-OCTYL PHTHALATE	10000	240	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	

Table 1
Soil Results
Belle Grove Plantation

Project Sample ID			BG-1		BG-2		BG-2 DUP		BG-3		BG-4		BG-5	
Date Collected			03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017	
Analyte	SOIL_SSGW	SOIL_SSni	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
PYRENE	1100	230	<0.033		<0.033		<0.033		<0.033		<0.033		<0.033	
1,2,4,5-TETRACHLOROBENZENE	6.9	1.2	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2-CHLOROPHENOL	1.4	15	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,4-DICHLOROPHENOL	12	16	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,4-DIMETHYLPHENOL	20	93	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,4-DINITROPHENOL	1.7	7.1	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
4-NITROPHENOL	2.6	32	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
PENTACHLOROPHENOL	1.7	2.8	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
PHENOL	11	1300	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,3,4,6-TETRACHLOROPHENOL	31	140	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,4,5-TRICHLOROPHENOL	320	530	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	
2,4,6-TRICHLOROPHENOL	1.3	40	<0.333		<0.333		<0.333		<0.333		<0.333		<0.333	

Qualifiers:
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.

Table 2
Groundwater Results
Belle Grove Plantation

Project Sample ID			BG-1		BG-1 DUP		BG-2		BG-3		BG-4		BG-5	
Date Collected			03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017	
Analyte	GW_SS	MO-1 GW3DW	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
ARSENIC	0.01	22	0.165		0.163		0.026		0.0675		0.0601		0.101	
BARIUM	2		1.05		1.04		1.85		1.85		1.44		1.99	
CADMIUM	0.005		0.00296		0.00249		0.00112	J	0.0031		0.00236		0.00275	
CHROMIUM	0.1	22	0.0449		0.0514		0.0226		0.105		0.0938		0.0795	
LEAD	0.015	22	0.0483		0.0476		0.0276		0.0934		0.0834		0.089	
SELENIUM	0.05		0.0129		0.0165		<0.01		<0.01		<0.01		<0.01	
SILVER	0.018		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
MERCURY	0.002		<0.0002		<0.0002		<0.0002		<0.0002		<0.0002		<0.0002	
TPH-DRO	0.15	440	0.667		0.789		0.169		0.025	J	<0.1		0.0228	J
TPH-ORO	0.15	440	0.131		0.253		0.139		0.032	J	0.0289	J	0.0133	J
TPH-GRO	0.15		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
HEXACHLORO-1,3-BUTADIENE	0.00073		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
ACETONE	0.1		<0.05		<0.05		<0.05		<0.05		<0.05		<0.05	
BENZENE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
BROMODICHLOROMETHANE	0.1		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
BROMOFORM	0.1		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
BROMOMETHANE	0.01		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
CARBON DISULFIDE	0.1		0.000787	J	0.00115		<0.001		<0.001		<0.001		<0.001	
CARBON TETRACHLORIDE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
CHLOROBENZENE	0.1		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
CHLORODIBROMOMETHANE	0.1		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
CHLOROETHANE	0.01		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
CHLOROFORM	0.1		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
CHLOROMETHANE	0.01		<0.0025		<0.0025		<0.0025		<0.0025		<0.0025		<0.0025	
1,2-DIBROMO-3-CHLOROPROPANE	0.0002		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
1,2-DICHLOROBENZENE	0.6		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,3-DICHLOROBENZENE	0.01		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,4-DICHLOROBENZENE	0.075		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
DICHLORODIFLUOROMETHANE	NA		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
1,1-DICHLOROETHANE	0.081		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,2-DICHLOROETHANE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,1-DICHLOROETHENE	0.007		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
CIS-1,2-DICHLOROETHENE	0.07		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
TRANS-1,2-DICHLOROETHENE	0.1		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,2-DICHLOROPROPANE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
CIS-1,3-DICHLOROPROPENE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
TRANS-1,3-DICHLOROPROPENE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
ETHYLBENZENE	0.7		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
ISOBUTANOL	1.1		<0.1		<0.1		<0.1		<0.1		<0.1		<0.1	
2-BUTANONE (MEK)	0.19		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	
METHYLENE CHLORIDE	0.005		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
4-METHYL-2-PENTANONE (MIBK)	0.2		<0.01		<0.01		<0.01		<0.01		<0.01		<0.01	
METHYL TERT-BUTYL ETHER	0.02		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
NAPHTHALENE	0.01		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
STYRENE	0.1		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,1,1,2-TETRACHLOROETHANE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,1,2,2-TETRACHLOROETHANE	0.0005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
TETRACHLOROETHENE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
TOLUENE	1		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
1,2,4-TRICHLOROBENZENE	0.07		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
1,1,1-TRICHLOROETHANE	0.2		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	

Table 2
Groundwater Results
Belle Grove Plantation

Project Sample ID			BG-1		BG-1 DUP		BG-2		BG-3		BG-4		BG-5	
Date Collected			03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017	
Analyte	GW_SS	MO-1 GW3DW	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
1,1,2-TRICHLOROETHANE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
TRICHLOROETHENE	0.005		<0.001		<0.001		<0.001		<0.001		<0.001		<0.001	
TRICHLOROFLUOROMETHANE	0.13		<0.005		<0.005		<0.005		<0.005		<0.005		<0.005	
VINYL CHLORIDE	0.002		0.000599	J	0.00061	J	0.000608	J	<0.001		<0.001		<0.001	
XYLENES, TOTAL	10		<0.003		<0.003		<0.003		<0.003		<0.003		<0.003	
DINOSEB	0.007		<0.0455		<0.0455		<0.0476	**	<0.0476	**	<0.0476	**	<0.0476	**
3-NITROANILINE	0.05		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
4-NITROANILINE	0.05		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
ACENAPHTHENE	0.037		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
ACENAPHTHYLENE	0.1		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
ANILINE	0.012		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
ANTHRACENE	0.043		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
BENZO(A)ANTHRACENE	0.0078		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
BENZO(B)FLUORANTHENE	0.0048		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
BENZO(K)FLUORANTHENE	0.0025		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
BENZO(A)PYRENE	0.0002		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
BIS(2-CHLOROETHYL)ETHER	0.0057		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
BIS(2-CHLOROISOPROPYL)ETHER	0.0057		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2-CHLORONAPHTHALENE	0.049		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
4-CHLOROANILINE	0.02		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
CHRYSENE	0.0016		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
DIBENZ(A,H)ANTHRACENE	0.0025		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
DIBENZOFURAN	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
3,3-DICHLOROBENZIDINE	0.02		<0.0091	J4	<0.0091	J4	<0.00952		<0.00952		<0.00952		<0.00952	
M-DINITROBENZENE	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2,4-DINITROTOLUENE	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2,6-DINITROTOLUENE	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
FLUORANTHENE	0.15		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
FLUORENE	0.024		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
HEXACHLOROBENZENE	0.001		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
HEXACHLOROCYCLOPENTADIENE	0.05		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
HEXACHLOROETHANE	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
INDENO(1,2,3-CD)PYRENE	0.0037		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
ISOPHORONE	0.07		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2-METHYLNAPHTHALENE	0.00062		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
2-NITROANILINE	0.05		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
NITROBENZENE	0.0019		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
N-NITROSODIPHENYLAMINE	0.014		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
N-NITROSODI-N-PROPYLAMINE	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
PHENANTHRENE	0.18		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
BENZYLBUTYL PHTHALATE	0.73		<0.00273		<0.00273		<0.00286		<0.00286		<0.00286		<0.00286	
BIS(2-ETHYLHEXYL)PHTHALATE	0.006		<0.00273		<0.00273		<0.00286		<0.00286		<0.00286		<0.00286	
DIETHYL PHTHALATE	2.9		<0.00273		<0.00273		<0.00286		<0.00286		<0.00286		<0.00286	
DIMETHYL PHTHALATE	37		<0.00273		<0.00273		<0.00286		<0.00286		<0.00286		<0.00286	
DI-N-OCTYL PHTHALATE	0.02		<0.00273		<0.00273		<0.00286		<0.00286		<0.00286		<0.00286	
PYRENE	0.018		<0.00091		<0.00091		<0.000952		<0.000952		<0.000952		<0.000952	
1,2,4,5-TETRACHLOROBENZENE	0.0011		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2-CHLOROPHENOL	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2,4-DICHLOROPHENOL	0.011		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2,4-DIMETHYLPHENOL	0.073		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2,4-DINITROPHENOL	0.05		<0.0091	J3	<0.0091	J3	<0.00952		<0.00952		<0.00952		<0.00952	
4-NITROPHENOL	0.05		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
PENTACHLOROPHENOL	0.001		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	

Table 2
Groundwater Results
Belle Grove Plantation

Project Sample ID			BG-1		BG-1 DUP		BG-2		BG-3		BG-4		BG-5	
Date Collected			03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017		03/02/2017	
Analyte	GW_SS	MO-1 GW3DW	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
PHENOL	0.18		0.00269	J	0.00106	J	0.00514	J	<0.00952		0.000631	J	0.00144	J
2,3,4,6-TETRACHLOROPHENOL	0.11		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2,4,5-TRICHLOROPHENOL	0.37		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
2,4,6-TRICHLOROPHENOL	0.01		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
BIPHENYL	0.03		<0.0091		<0.0091		<0.00952		<0.00952		<0.00952		<0.00952	
TEMPERATURE °C	NA		19.9		NA		22.1		19.7		20.4		20.7	
pH standard units	6-9		7.22		NA		6.33		6.59		6.75		7.05	
CONDUCTIVITY µS/sec	NA		6970		NA		7335		3240		1145		446.1	
OXIDATION REDUCTION POTENTIAL mv	NA		-85		NA		-103		-4		37		-122	

results in mg/l unless otherwise noted
Qualifiers:
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.

NA - not applicable
shaded values exceed screening standards

Table 3
Management Option 1 Evaluation
Belle Grove Plantation

GROUNDWATER - Identification of the Limiting MO-1RS:

COC	o GW_1 o GW_2 x GW_{3DW} o GW_{3NDW}	o NO DAF o DAF2 o DAF3 X DAF3	Final o GW_1 o GW_2 x GW_{3DW} o GW_{3NDW}	o GW_{es}	o GW_{air}	$Water_{sol}$	Limiting MO-1 RS
Arsenic	0.05	440	22			NA	22
Chromium	0.05	440	22			NA	22
Lead	0.05	440	22			NA	22
TPH-DRO	1	440	440			NA	440
TPH-ORO	1	440	440			NA	440

NA- Not applicable

GROUNDWATER – Compliance Concentration:

COC	Compliance Concentration
Arsenic	0.165
Chromium	0.105
Lead	0.0934
TPH-DRO	0.789
TPH-ORO	0.253

MO-1 GROUNDWATER RECAP ASSESSMENT:

COC	Limiting MO-1 RS	Compliance Concentration	CC Exceeds MO-1 LRS?
Arsenic	22	0.165	**no**
Chromium	22	0.105	**no**
Lead	22	0.0934	**no**
TPH-DRO	220	0.789	**no**
TPH-ORO	220	0.253	**no**

APPENDICES

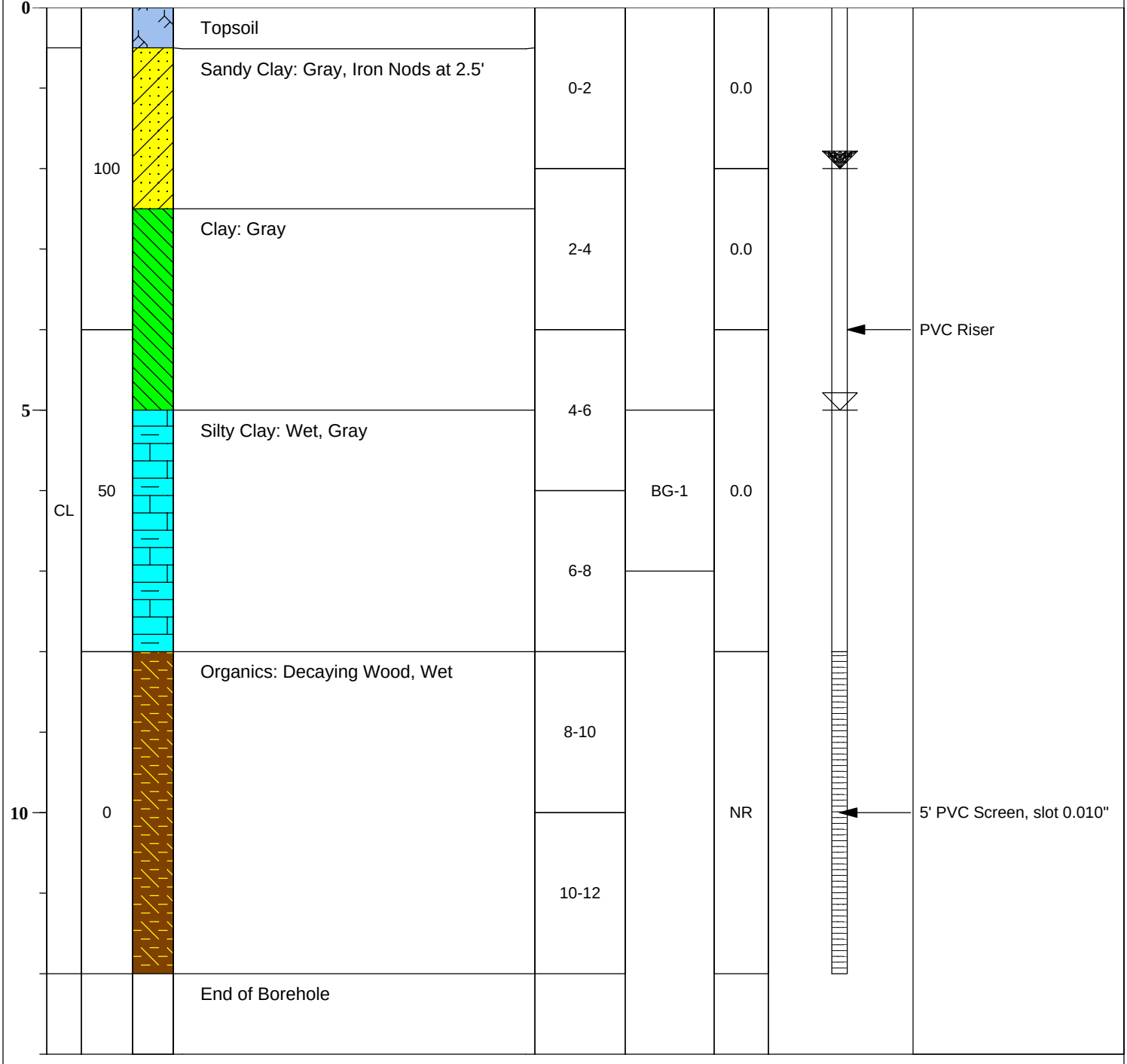
APPENDIX A
BORING LOGS

Well Number: BG-1

Project Number: 14678
Project Name: Phase II ESA
Client: Baton Rouge Area Chamber
Site Location: White Castle, LA

Start Date: 3/2/17
End Date: 3/2/17

CK ASSOCIATES Environmental Consultants



Drilled By:	Walker Hill	**Initial Water Level (ft bgs):**	5	**Coordinates:**	NA
Drill Method:	Direct Push	**Static Water Level (ft bgs):**	2		NA
Completion Type:	Temporary Well	**Logged By:**	JAL	**Ground Elevation (ft):**	NA
Total Depth (ft bgs):	12	**Checked By:**	JAL	**Top of Casing Elevation (ft):**	NA

Well Number: BG-2

Project Number: 14678
Project Name: Phase II ESA
Client: Baton Rouge Area Chamber
Site Location: White Castle, LA

Start Date: 3/2/17
End Date: 3/2/17

CK ASSOCIATES Environmental Consultants

SUBSURFACE PROFILE					SAMPLE				
Depth	USCS	% Recovery	Lithology	Description	Sample Interval (ft)	Analytical Sample ID	OVM (ppm)	Well Design	Notes
0				Topsoil					
				Silty Clay: Brown	0-2		0.0		
		100							
				Clay: Reddish, damp	2-4		0.0		
				Silty Clay: Gray, Damp					PVC Riser
5				Moist	4-6		0.0		
	CL	100							
					6-8	BG-2	0.0		
					8-10		0.0		
10		100							5' PVC Screen, slot 0.010"
					10-12		0.0		
				End of Borehole					

Drilled By: Walker Hill
Drill Method: Direct Push
Completion Type: Temporary Well
Total Depth (ft bgs): 12

Initial Water Level (ft bgs): 5
Static Water Level (ft bgs): 1.7
Logged By: JAL
Checked By: JAL

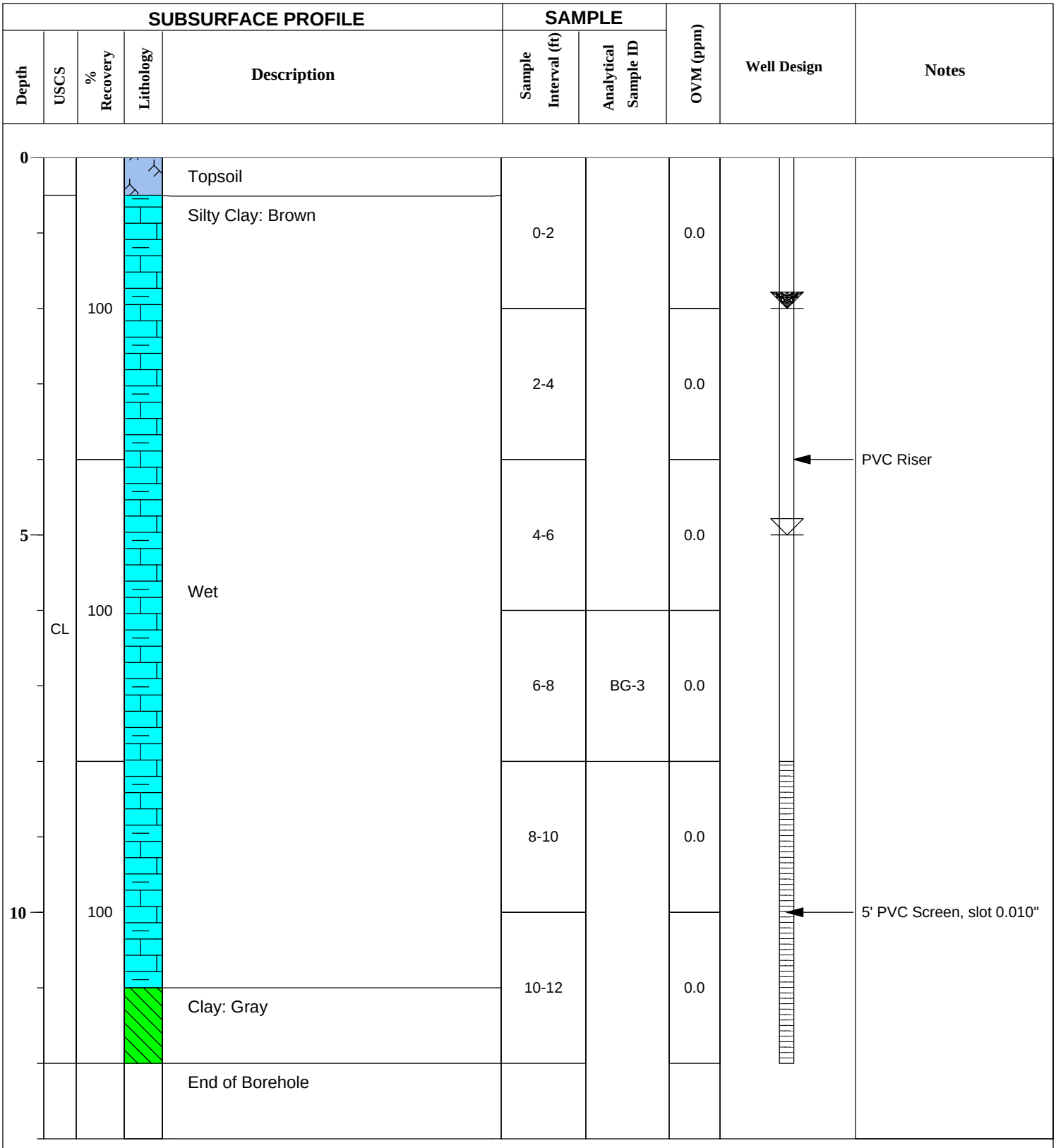
Coordinates: NA
NA
Ground Elevation (ft): NA
Top of Casing Elevation (ft): NA

Well Number: BG-3

Project Number: 14678
Project Name: Phase II ESA
Client: Baton Rouge Area Chamber
Site Location: White Castle, LA

Start Date: 3/2/17
End Date: 3/2/17

CK ASSOCIATES Environmental Consultants



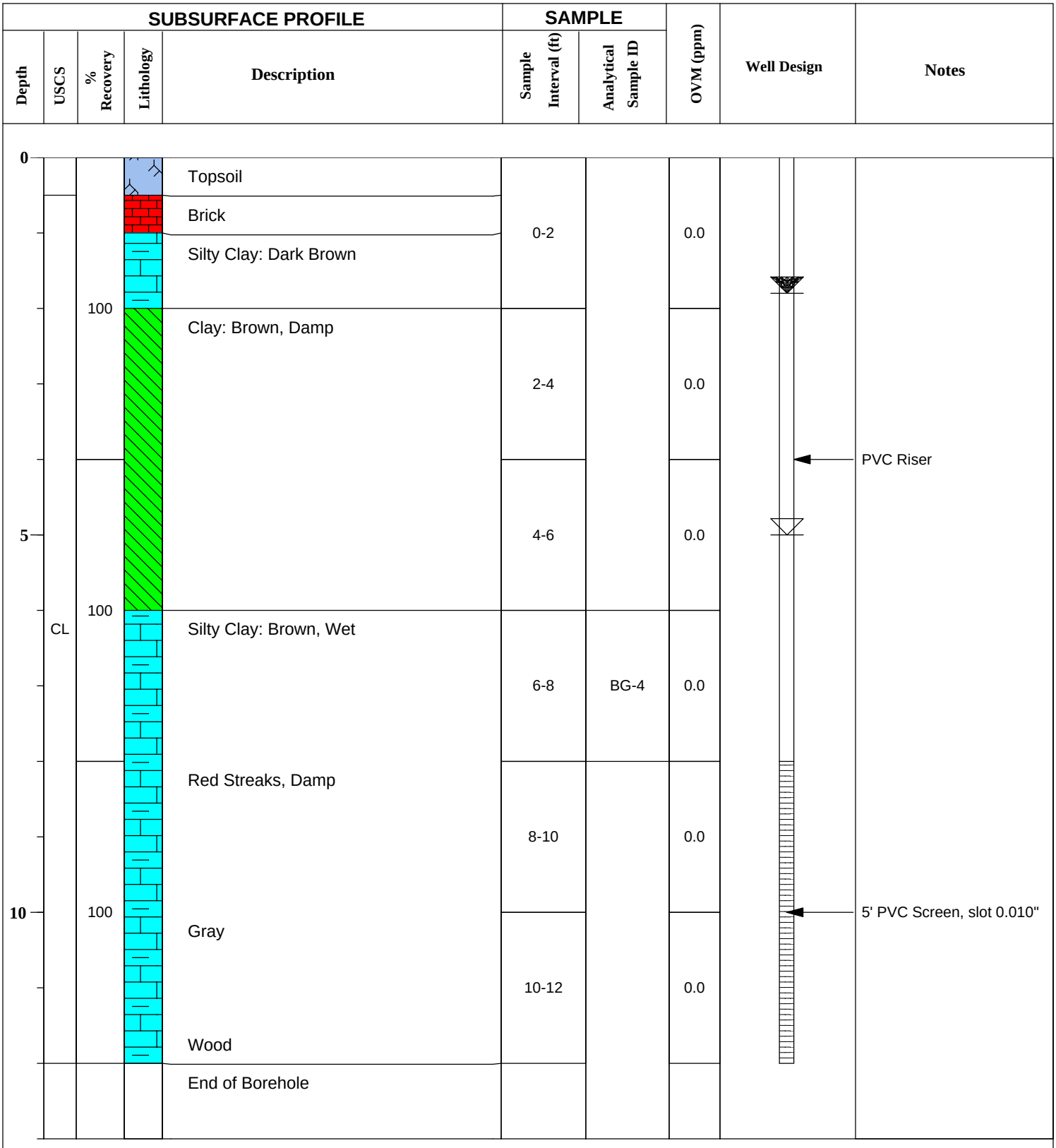
Drilled By:	Walker Hill	**Initial Water Level (ft bgs):**	5.5	**Coordinates:**	NA
Drill Method:	Direct Push	**Static Water Level (ft bgs):**	2		NA
Completion Type:	Temporary Well	**Logged By:**	JAL	**Ground Elevation (ft):**	NA
Total Depth (ft bgs):	12	**Checked By:**	JAL	**Top of Casing Elevation (ft):**	NA

Well Number: BG-4

Project Number: 14678
Project Name: Phase II ESA
Client: Baton Rouge Area Chamber
Site Location: White Castle, LA

Start Date: 3/2/17
End Date: 3/2/17

CK ASSOCIATES Environmental Consultants



Drilled By:	Walker Hill	**Initial Water Level (ft bgs):**	6	**Coordinates:**	0
Drill Method:	Direct Push	**Static Water Level (ft bgs):**	1.8		0
Completion Type:	Temporary Well	**Logged By:**	JAL	**Ground Elevation (ft):**	NA
Total Depth (ft bgs):	12	**Checked By:**	JAL	**Top of Casing Elevation (ft):**	NA

Well Number: BG-5

Project Number: 14678
Project Name: Phase II ESA
Client: Baton Rouge Area Chamber
Site Location: White Castle, LA

Start Date: 3/2/17
End Date: 3/2/17

CK ASSOCIATES Environmental Consultants

SUBSURFACE PROFILE					SAMPLE				
Depth	USCS	% Recovery	Lithology	Description	Sample Interval (ft)	Analytical Sample ID	OVM (ppm)	Well Design	Notes
0	CL	100		Clay: Dark Brown	0-2		0.0		
					2-4		0.0		
				Brick: Crushed					PVC Riser
				Silty Clay: Brown					
5				Wet	4-6		0.0		
		100				BG-5			
					6-8		0.0		
	CL			Gray					
					8-10		0.0		
10		100							5' PVC Screen, slot 0.010"
					10-12		0.0		
				End of Borhole					

Drilled By: Walker Hill
Drill Method: Direct Push
Completion Type: Temporary Well
Total Depth (ft bgs): 12

Initial Water Level (ft bgs): 5
Static Water Level (ft bgs): 3
Logged By: JAL
Checked By: JAL

Coordinates: NA
NA
Ground Elevation (ft): NA
Top of Casing Elevation (ft): NA

APPENDIX B
LABORATORY REPORT

ANALYTICAL REPORT

March 14, 2017

C-K Associates, LLC

Sample Delivery Group:	L893760
Samples Received:	03/03/2017
Project Number:	14678
Description:	Belle Grove

Report To:

Ms. Jennifer Lindquist
17170 Perkins Road
Baton Rouge, LA 70810

Entire Report Reviewed By:

Jason Romer
Technical Service Representative

TABLE OF CONTENTS

BG-1 L893760-01 Solid

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 09:10 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG958747	1	03/07/17 16:16	03/08/17 09:15	NJB
Metals (ICP) by Method 6010B	WG958012	1	03/05/17 21:44	03/06/17 13:38	CCE
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG958608	19.5	03/02/17 09:10	03/09/17 07:16	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958909	1	03/02/17 09:10	03/09/17 04:43	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958344	1	03/07/17 17:15	03/08/17 23:52	ACM
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 10:13	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 12:02	KMP

BG-2 L893760-02 Solid

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 09:30 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG958747	1	03/07/17 16:16	03/08/17 09:18	NJB
Metals (ICP) by Method 6010B	WG958012	1	03/05/17 21:44	03/06/17 13:41	CCE
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG958703	1	03/02/17 09:30	03/08/17 03:42	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958909	1	03/02/17 09:30	03/09/17 05:03	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958344	1	03/07/17 17:15	03/09/17 00:08	ACM
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 10:39	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 12:20	KMP

BG-2 DUP L893760-03 Solid

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 09:30 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG958747	1	03/07/17 16:16	03/08/17 09:20	NJB
Metals (ICP) by Method 6010B	WG958012	1	03/05/17 21:44	03/06/17 13:44	CCE
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG958703	1	03/02/17 09:30	03/08/17 04:04	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958909	1	03/02/17 09:30	03/09/17 05:23	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958344	1	03/07/17 17:15	03/09/17 00:57	ACM
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 11:04	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 12:37	KMP

BG-3 L893760-04 Solid

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 10:20 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG958747	1	03/07/17 16:16	03/08/17 09:28	NJB
Metals (ICP) by Method 6010B	WG958012	1	03/05/17 21:44	03/06/17 13:46	CCE
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG958703	1	03/02/17 10:20	03/08/17 04:26	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958909	1	03/02/17 10:20	03/09/17 05:43	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958344	1	03/07/17 17:15	03/09/17 01:13	ACM
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 11:29	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 12:54	KMP

BG-4 L893760-05 Solid

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 12:50 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG958747	1	03/07/17 16:16	03/08/17 09:30	NJB
Metals (ICP) by Method 6010B	WG958012	1	03/05/17 21:44	03/06/17 13:49	CCE
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG958703	1	03/02/17 12:50	03/08/17 04:49	LRL

BG-4 L893760-05 Solid

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 12:50 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958909	1	03/02/17 12:50	03/09/17 06:03	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958344	1	03/07/17 17:15	03/09/17 01:29	ACM
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 11:54	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 13:11	KMP

BG-5 L893760-06 Solid

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 13:40 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG958747	1	03/07/17 16:16	03/08/17 09:33	NJB
Metals (ICP) by Method 6010B	WG958012	1	03/05/17 21:44	03/06/17 13:52	CCE
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG958703	1	03/02/17 13:40	03/08/17 05:11	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958909	19.75	03/02/17 13:40	03/09/17 14:04	BMB
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958344	1	03/07/17 17:15	03/09/17 01:46	ACM
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 12:19	KMP
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958690	1	03/09/17 00:58	03/09/17 13:28	KMP

BG-1 L893760-07 GW

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 09:30 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG957868	1	03/04/17 09:16	03/06/17 13:12	NJB
Metals (ICP) by Method 6010B	WG958829	1	03/07/17 22:14	03/08/17 09:08	LTB
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG957974	1	03/06/17 16:16	03/06/17 16:16	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/07/17 13:22	03/07/17 13:22	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/08/17 07:38	03/08/17 07:38	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958694	1	03/07/17 23:53	03/09/17 01:05	TRF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958370	.91	03/07/17 10:01	03/07/17 20:41	JF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958370	.91	03/07/17 10:01	03/09/17 19:09	KMP

BG-1 DUP L893760-08 GW

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 09:30 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG957868	1	03/04/17 09:16	03/06/17 13:15	NJB
Metals (ICP) by Method 6010B	WG958829	1	03/07/17 22:14	03/08/17 09:10	LTB
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG957974	1	03/06/17 16:41	03/06/17 16:41	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/07/17 13:35	03/07/17 13:35	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/08/17 07:54	03/08/17 07:54	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958694	1	03/07/17 23:53	03/09/17 01:21	TRF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958370	.91	03/07/17 10:01	03/07/17 21:04	JF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958370	.91	03/07/17 10:01	03/09/17 19:26	KMP

BG-2 L893760-09 GW

Collected by: Jennifer Lindquist | Collected date/time: 03/02/17 10:00 | Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG957868	1	03/04/17 09:16	03/06/17 13:17	NJB
Metals (ICP) by Method 6010B	WG958829	1	03/07/17 22:14	03/08/17 09:13	LTB
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG957974	1	03/06/17 17:05	03/06/17 17:05	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/07/17 13:48	03/07/17 13:48	LRL

BG-2 L893760-09 GW

Collected by: Jennifer Lindquist
Collected date/time: 03/02/17 10:00
Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/08/17 08:09	03/08/17 08:09	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958694	1	03/07/17 23:53	03/09/17 01:37	TRF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 11:33	JF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 20:00	KMP

BG-3 L893760-10 GW

Collected by: Jennifer Lindquist
Collected date/time: 03/02/17 10:45
Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG957868	1	03/04/17 09:16	03/06/17 13:19	NJB
Metals (ICP) by Method 6010B	WG958829	1	03/07/17 22:14	03/08/17 09:22	LTB
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG957974	1	03/06/17 17:29	03/06/17 17:29	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/07/17 14:01	03/07/17 14:01	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/08/17 08:25	03/08/17 08:25	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958694	1	03/07/17 23:53	03/09/17 01:53	TRF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 11:56	JF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 20:17	KMP

BG-4 L893760-11 GW

Collected by: Jennifer Lindquist
Collected date/time: 03/02/17 13:15
Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG957868	1	03/04/17 09:16	03/06/17 13:21	NJB
Metals (ICP) by Method 6010B	WG958829	1	03/07/17 22:14	03/08/17 09:25	LTB
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG957974	1	03/06/17 17:53	03/06/17 17:53	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/07/17 14:14	03/07/17 14:14	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/08/17 08:41	03/08/17 08:41	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958694	1	03/07/17 23:53	03/09/17 02:09	TRF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 12:20	JF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 20:34	KMP

BG-5 L893760-12 GW

Collected by: Jennifer Lindquist
Collected date/time: 03/02/17 13:40
Received date/time: 03/03/17 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG957868	1	03/04/17 09:16	03/06/17 13:24	NJB
Metals (ICP) by Method 6010B	WG958829	1	03/07/17 22:14	03/08/17 09:28	LTB
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG957974	1	03/06/17 18:17	03/06/17 18:17	DWR
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/07/17 14:27	03/07/17 14:27	LRL
Volatile Organic Compounds (GC/MS) by Method 8260B	WG958568	1	03/08/17 08:56	03/08/17 08:56	JAH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG958694	1	03/07/17 23:53	03/09/17 02:26	TRF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 12:43	JF
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG958963	.952	03/08/17 19:25	03/09/17 20:51	KMP

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.

Jason Romer
Technical Service Representative

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00782	J	0.00280	0.0200	1	03/08/2017 09:15	WG958747

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.19		0.650	2.00	1	03/06/2017 13:38	WG958012
Barium	85.2		0.170	0.500	1	03/06/2017 13:38	WG958012
Cadmium	U		0.0700	0.500	1	03/06/2017 13:38	WG958012
Chromium	7.59		0.140	1.00	1	03/06/2017 13:38	WG958012
Lead	6.14		0.190	0.500	1	03/06/2017 13:38	WG958012
Selenium	U		0.740	2.00	1	03/06/2017 13:38	WG958012
Silver	U		0.280	1.00	1	03/06/2017 13:38	WG958012

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.484	J	0.423	1.95	19.5	03/09/2017 07:16	WG958608
(S) a,a,a-Trifluorotoluene(FID)	*97.3*			*77.0-120*		*03/09/2017 07:16*	WG958608

Sample Narrative:

8015D/GRO L893760-01 WG958608: Elevated RL. Reported from MEOH vial. Bisulfates used in previous run.

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	0.0500	1	03/09/2017 04:43	WG958909
Benzene	0.000294	J	0.000270	0.00100	1	03/09/2017 04:43	WG958909
Bromodichloromethane	U		0.000254	0.00100	1	03/09/2017 04:43	WG958909
Bromoform	U		0.000424	0.00100	1	03/09/2017 04:43	WG958909
Bromomethane	U		0.00134	0.00500	1	03/09/2017 04:43	WG958909
Carbon disulfide	U		0.000221	0.00100	1	03/09/2017 04:43	WG958909
Carbon tetrachloride	U		0.000328	0.00100	1	03/09/2017 04:43	WG958909
Chlorobenzene	U		0.000212	0.00100	1	03/09/2017 04:43	WG958909
Chlorodibromomethane	U		0.000373	0.00100	1	03/09/2017 04:43	WG958909
Chloroethane	U		0.000946	0.00500	1	03/09/2017 04:43	WG958909
Chloroform	U		0.000229	0.00500	1	03/09/2017 04:43	WG958909
Chloromethane	U		0.000375	0.00250	1	03/09/2017 04:43	WG958909
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500	1	03/09/2017 04:43	WG958909
1,2-Dichlorobenzene	U		0.000305	0.00100	1	03/09/2017 04:43	WG958909
1,3-Dichlorobenzene	U		0.000239	0.00100	1	03/09/2017 04:43	WG958909
1,4-Dichlorobenzene	U		0.000226	0.00100	1	03/09/2017 04:43	WG958909
Dichlorodifluoromethane	U		0.000713	0.00500	1	03/09/2017 04:43	WG958909
1,1-Dichloroethane	U		0.000199	0.00100	1	03/09/2017 04:43	WG958909
1,2-Dichloroethane	U		0.000265	0.00100	1	03/09/2017 04:43	WG958909
1,1-Dichloroethene	U		0.000303	0.00100	1	03/09/2017 04:43	WG958909
cis-1,2-Dichloroethene	U		0.000235	0.00100	1	03/09/2017 04:43	WG958909
trans-1,2-Dichloroethene	U		0.000264	0.00100	1	03/09/2017 04:43	WG958909
1,2-Dichloropropane	U		0.000358	0.00100	1	03/09/2017 04:43	WG958909
cis-1,3-Dichloropropene	U		0.000262	0.00100	1	03/09/2017 04:43	WG958909
trans-1,3-Dichloropropene	U		0.000267	0.00100	1	03/09/2017 04:43	WG958909
Ethylbenzene	U		0.000297	0.00100	1	03/09/2017 04:43	WG958909
Hexachloro-1,3-butadiene	U		0.000342	0.00100	1	03/09/2017 04:43	WG958909
Isobutanol	U		0.0430	0.100	1	03/09/2017 04:43	WG958909
2-Butanone (MEK)	U		0.00468	0.0100	1	03/09/2017 04:43	WG958909

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.00100	0.00500	1	03/09/2017 04:43	WG958909
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100	1	03/09/2017 04:43	WG958909
Methyl tert-butyl ether	U		0.000212	0.00100	1	03/09/2017 04:43	WG958909
Naphthalene	U		0.00100	0.00500	1	03/09/2017 04:43	WG958909
Styrene	U		0.000234	0.00100	1	03/09/2017 04:43	WG958909
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100	1	03/09/2017 04:43	WG958909
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100	1	03/09/2017 04:43	WG958909
Tetrachloroethene	U		0.000276	0.00100	1	03/09/2017 04:43	WG958909
Toluene	U		0.000434	0.00500	1	03/09/2017 04:43	WG958909
1,2,4-Trichlorobenzene	U		0.000388	0.00100	1	03/09/2017 04:43	WG958909
1,1,1-Trichloroethane	U		0.000286	0.00100	1	03/09/2017 04:43	WG958909
1,1,2-Trichloroethane	U		0.000277	0.00100	1	03/09/2017 04:43	WG958909
Trichloroethene	U		0.000279	0.00100	1	03/09/2017 04:43	WG958909
Trichlorofluoromethane	U		0.000382	0.00500	1	03/09/2017 04:43	WG958909
Vinyl chloride	U		0.000291	0.00100	1	03/09/2017 04:43	WG958909
Xylenes, Total	U		0.000698	0.00300	1	03/09/2017 04:43	WG958909
(S) Toluene-d8	*103*			*80.0-120*		*03/09/2017 04:43*	WG958909
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/09/2017 04:43*	WG958909
(S) a,a,a-Trifluorotoluene	*99.3*			*80.0-120*		*03/09/2017 04:43*	WG958909
(S) 4-Bromofluorobenzene	*99.3*			*64.0-132*		*03/09/2017 04:43*	WG958909

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U	J3	1.61	4.00	1	03/08/2017 23:52	WG958344
C28-C40 Oil Range	U		0.274	4.00	1	03/08/2017 23:52	WG958344
(S) o-Terphenyl	*127*			*18.0-148*		*03/08/2017 23:52*	WG958344

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00642	0.0330	1	03/09/2017 10:13	WG958690
Acenaphthylene	U		0.00671	0.0330	1	03/09/2017 10:13	WG958690
Aniline	U		0.0320	0.333	1	03/09/2017 10:13	WG958690
Anthracene	U		0.00632	0.0330	1	03/09/2017 10:13	WG958690
Benzo(a)anthracene	U		0.00428	0.0330	1	03/09/2017 10:13	WG958690
Benzo(b)fluoranthene	U		0.00695	0.0330	1	03/09/2017 10:13	WG958690
Benzo(k)fluoranthene	U		0.00582	0.0330	1	03/09/2017 10:13	WG958690
Benzo(a)pyrene	U		0.00548	0.0330	1	03/09/2017 10:13	WG958690
Biphenyl	U		0.00588	0.333	1	03/09/2017 10:13	WG958690
Bis(2-chloroethyl)ether	U		0.00896	0.333	1	03/09/2017 10:13	WG958690
Bis(2-chloroisopropyl)ether	U		0.00760	0.333	1	03/09/2017 10:13	WG958690
2-Chloronaphthalene	U		0.00639	0.0330	1	03/09/2017 10:13	WG958690
4-Chloroaniline	U		0.0352	0.333	1	03/09/2017 10:13	WG958690
Chrysene	U		0.00555	0.0330	1	03/09/2017 10:13	WG958690
Dibenz(a,h)anthracene	U		0.00821	0.0330	1	03/09/2017 10:13	WG958690
Dibenzofuran	U		0.00518	0.333	1	03/09/2017 10:13	WG958690
Dinoseb	U		0.0970	0.330	1	03/09/2017 12:02	WG958690
3,3-Dichlorobenzidine	U		0.0794	0.333	1	03/09/2017 10:13	WG958690
1,3-Dinitrobenzene	U		0.0617	0.333	1	03/09/2017 12:02	WG958690
2,4-Dinitrotoluene	U		0.00607	0.333	1	03/09/2017 10:13	WG958690
2,6-Dinitrotoluene	U		0.00737	0.333	1	03/09/2017 10:13	WG958690
Fluoranthene	U		0.00496	0.0330	1	03/09/2017 10:13	WG958690
Fluorene	U		0.00682	0.0330	1	03/09/2017 10:13	WG958690
Hexachlorobenzene	U		0.00856	0.333	1	03/09/2017 10:13	WG958690

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.0100	0.333	1	03/09/2017 10:13	WG958690
Hexachlorocyclopentadiene	U		0.0587	0.333	1	03/09/2017 10:13	WG958690
Hexachloroethane	U		0.0134	0.333	1	03/09/2017 10:13	WG958690
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330	1	03/09/2017 10:13	WG958690
Isophorone	U		0.00522	0.333	1	03/09/2017 10:13	WG958690
2-Methylnaphthalene	U		0.00861	0.0330	1	03/09/2017 10:13	WG958690
Naphthalene	U		0.00889	0.0330	1	03/09/2017 10:13	WG958690
2-Nitroaniline	U		0.00755	0.333	1	03/09/2017 10:13	WG958690
3-Nitroaniline	U		0.00850	0.333	1	03/09/2017 10:13	WG958690
4-Nitroaniline	U		0.00639	0.333	1	03/09/2017 10:13	WG958690
Nitrobenzene	U		0.00695	0.333	1	03/09/2017 10:13	WG958690
n-Nitrosodiphenylamine	U		0.00594	0.333	1	03/09/2017 10:13	WG958690
n-Nitrosodi-n-propylamine	U		0.00906	0.333	1	03/09/2017 10:13	WG958690
Phenanthrene	U		0.00528	0.0330	1	03/09/2017 10:13	WG958690
Benzylbutyl phthalate	U		0.0103	0.333	1	03/09/2017 10:13	WG958690
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333	1	03/09/2017 10:13	WG958690
Diethyl phthalate	U		0.00691	0.333	1	03/09/2017 10:13	WG958690
Dimethyl phthalate	U		0.00540	0.333	1	03/09/2017 10:13	WG958690
Di-n-octyl phthalate	U		0.00907	0.333	1	03/09/2017 10:13	WG958690
Pyrene	U		0.0123	0.0330	1	03/09/2017 10:13	WG958690
1,2,4,5-Tetrachlorobenzene	U		0.0762	0.333	1	03/09/2017 10:13	WG958690
1,2,4-Trichlorobenzene	U		0.00876	0.333	1	03/09/2017 10:13	WG958690
2-Chlorophenol	U		0.00831	0.333	1	03/09/2017 10:13	WG958690
2,4-Dichlorophenol	U		0.00746	0.333	1	03/09/2017 10:13	WG958690
2,4-Dimethylphenol	U		0.0471	0.333	1	03/09/2017 10:13	WG958690
2,4-Dinitrophenol	U		0.0980	0.333	1	03/09/2017 10:13	WG958690
4-Nitrophenol	U		0.0525	0.333	1	03/09/2017 10:13	WG958690
Pentachlorophenol	U		0.0480	0.333	1	03/09/2017 10:13	WG958690
Phenol	U		0.00695	0.333	1	03/09/2017 10:13	WG958690
2,3,4,6-Tetrachlorophenol	U		0.121	0.333	1	03/09/2017 10:13	WG958690
2,4,5-Trichlorophenol	U		0.0104	0.333	1	03/09/2017 10:13	WG958690
2,4,6-Trichlorophenol	U		0.00779	0.333	1	03/09/2017 10:13	WG958690
(S) 2-Fluorophenol	*73.4*			*20.0-120*		*03/09/2017 10:13*	WG958690
(S) Phenol-d5	*71.2*			*20.0-120*		*03/09/2017 10:13*	WG958690
(S) Nitrobenzene-d5	*67.4*			*18.0-125*		*03/09/2017 10:13*	WG958690
(S) 2-Fluorobiphenyl	*71.1*			*28.0-120*		*03/09/2017 10:13*	WG958690
(S) 2,4,6-Tribromophenol	*61.8*			*17.0-137*		*03/09/2017 10:13*	WG958690
(S) p-Terphenyl-d14	*63.8*			*13.0-131*		*03/09/2017 10:13*	WG958690

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0102	J	0.00280	0.0200	1	03/08/2017 09:18	WG958747

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.81		0.650	2.00	1	03/06/2017 13:41	WG958012
Barium	107		0.170	0.500	1	03/06/2017 13:41	WG958012
Cadmium	0.187	J	0.0700	0.500	1	03/06/2017 13:41	WG958012
Chromium	9.55		0.140	1.00	1	03/06/2017 13:41	WG958012
Lead	7.12		0.190	0.500	1	03/06/2017 13:41	WG958012
Selenium	U		0.740	2.00	1	03/06/2017 13:41	WG958012
Silver	U		0.280	1.00	1	03/06/2017 13:41	WG958012

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	0.0266	J	0.0217	0.100	1	03/08/2017 03:42	WG958703
(S) a,a,a-Trifluorotoluene(FID)	*89.9*			*77.0-120*		*03/08/2017 03:42*	WG958703

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	0.0500	1	03/09/2017 05:03	WG958909
Benzene	0.000689	J	0.000270	0.00100	1	03/09/2017 05:03	WG958909
Bromodichloromethane	U		0.000254	0.00100	1	03/09/2017 05:03	WG958909
Bromoform	U		0.000424	0.00100	1	03/09/2017 05:03	WG958909
Bromomethane	U		0.00134	0.00500	1	03/09/2017 05:03	WG958909
Carbon disulfide	U		0.000221	0.00100	1	03/09/2017 05:03	WG958909
Carbon tetrachloride	U		0.000328	0.00100	1	03/09/2017 05:03	WG958909
Chlorobenzene	U		0.000212	0.00100	1	03/09/2017 05:03	WG958909
Chlorodibromomethane	U		0.000373	0.00100	1	03/09/2017 05:03	WG958909
Chloroethane	U		0.000946	0.00500	1	03/09/2017 05:03	WG958909
Chloroform	U		0.000229	0.00500	1	03/09/2017 05:03	WG958909
Chloromethane	U		0.000375	0.00250	1	03/09/2017 05:03	WG958909
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500	1	03/09/2017 05:03	WG958909
1,2-Dichlorobenzene	U		0.000305	0.00100	1	03/09/2017 05:03	WG958909
1,3-Dichlorobenzene	U		0.000239	0.00100	1	03/09/2017 05:03	WG958909
1,4-Dichlorobenzene	U		0.000226	0.00100	1	03/09/2017 05:03	WG958909
Dichlorodifluoromethane	U		0.000713	0.00500	1	03/09/2017 05:03	WG958909
1,1-Dichloroethane	U		0.000199	0.00100	1	03/09/2017 05:03	WG958909
1,2-Dichloroethane	U		0.000265	0.00100	1	03/09/2017 05:03	WG958909
1,1-Dichloroethene	U		0.000303	0.00100	1	03/09/2017 05:03	WG958909
cis-1,2-Dichloroethene	U		0.000235	0.00100	1	03/09/2017 05:03	WG958909
trans-1,2-Dichloroethene	U		0.000264	0.00100	1	03/09/2017 05:03	WG958909
1,2-Dichloropropane	U		0.000358	0.00100	1	03/09/2017 05:03	WG958909
cis-1,3-Dichloropropene	U		0.000262	0.00100	1	03/09/2017 05:03	WG958909
trans-1,3-Dichloropropene	U		0.000267	0.00100	1	03/09/2017 05:03	WG958909
Ethylbenzene	U		0.000297	0.00100	1	03/09/2017 05:03	WG958909
Hexachloro-1,3-butadiene	U		0.000342	0.00100	1	03/09/2017 05:03	WG958909
Isobutanol	U		0.0430	0.100	1	03/09/2017 05:03	WG958909
2-Butanone (MEK)	U		0.00468	0.0100	1	03/09/2017 05:03	WG958909
Methylene Chloride	U		0.00100	0.00500	1	03/09/2017 05:03	WG958909
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100	1	03/09/2017 05:03	WG958909
Methyl tert-butyl ether	U		0.000212	0.00100	1	03/09/2017 05:03	WG958909

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/09/2017 05:03	WG958909
Styrene	U		0.000234	0.00100	1	03/09/2017 05:03	WG958909
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100	1	03/09/2017 05:03	WG958909
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100	1	03/09/2017 05:03	WG958909
Tetrachloroethene	U		0.000276	0.00100	1	03/09/2017 05:03	WG958909
Toluene	U		0.000434	0.00500	1	03/09/2017 05:03	WG958909
1,2,4-Trichlorobenzene	U		0.000388	0.00100	1	03/09/2017 05:03	WG958909
1,1,1-Trichloroethane	U		0.000286	0.00100	1	03/09/2017 05:03	WG958909
1,1,2-Trichloroethane	U		0.000277	0.00100	1	03/09/2017 05:03	WG958909
Trichloroethene	U		0.000279	0.00100	1	03/09/2017 05:03	WG958909
Trichlorofluoromethane	U		0.000382	0.00500	1	03/09/2017 05:03	WG958909
Vinyl chloride	U		0.000291	0.00100	1	03/09/2017 05:03	WG958909
Xylenes, Total	U		0.000698	0.00300	1	03/09/2017 05:03	WG958909
(S) Toluene-d8	*102*			*80.0-120*		*03/09/2017 05:03*	WG958909
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/09/2017 05:03*	WG958909
(S) a,a,a-Trifluorotoluene	*97.5*			*80.0-120*		*03/09/2017 05:03*	WG958909
(S) 4-Bromofluorobenzene	*98.7*			*64.0-132*		*03/09/2017 05:03*	WG958909

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		1.61	4.00	1	03/09/2017 00:08	WG958344
C28-C40 Oil Range	U		0.274	4.00	1	03/09/2017 00:08	WG958344
(S) o-Terphenyl	*125*			*18.0-148*		*03/09/2017 00:08*	WG958344

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00642	0.0330	1	03/09/2017 10:39	WG958690
Acenaphthylene	U		0.00671	0.0330	1	03/09/2017 10:39	WG958690
Aniline	U		0.0320	0.333	1	03/09/2017 10:39	WG958690
Anthracene	U		0.00632	0.0330	1	03/09/2017 10:39	WG958690
Benzo(a)anthracene	U		0.00428	0.0330	1	03/09/2017 10:39	WG958690
Benzo(b)fluoranthene	U		0.00695	0.0330	1	03/09/2017 10:39	WG958690
Benzo(k)fluoranthene	U		0.00582	0.0330	1	03/09/2017 10:39	WG958690
Benzo(a)pyrene	U		0.00548	0.0330	1	03/09/2017 10:39	WG958690
Biphenyl	U		0.00588	0.333	1	03/09/2017 10:39	WG958690
Bis(2-chloroethyl)ether	U		0.00896	0.333	1	03/09/2017 10:39	WG958690
Bis(2-chloroisopropyl)ether	U		0.00760	0.333	1	03/09/2017 10:39	WG958690
2-Chloronaphthalene	U		0.00639	0.0330	1	03/09/2017 10:39	WG958690
4-Chloroaniline	U		0.0352	0.333	1	03/09/2017 10:39	WG958690
Chrysene	U		0.00555	0.0330	1	03/09/2017 10:39	WG958690
Dibenz(a,h)anthracene	U		0.00821	0.0330	1	03/09/2017 10:39	WG958690
Dibenzofuran	U		0.00518	0.333	1	03/09/2017 10:39	WG958690
Dinoseb	U		0.0970	0.330	1	03/09/2017 12:20	WG958690
3,3-Dichlorobenzidine	U		0.0794	0.333	1	03/09/2017 10:39	WG958690
1,3-Dinitrobenzene	U		0.0617	0.333	1	03/09/2017 12:20	WG958690
2,4-Dinitrotoluene	U		0.00607	0.333	1	03/09/2017 10:39	WG958690
2,6-Dinitrotoluene	U		0.00737	0.333	1	03/09/2017 10:39	WG958690
Fluoranthene	U		0.00496	0.0330	1	03/09/2017 10:39	WG958690
Fluorene	U		0.00682	0.0330	1	03/09/2017 10:39	WG958690
Hexachlorobenzene	U		0.00856	0.333	1	03/09/2017 10:39	WG958690
Hexachloro-1,3-butadiene	U		0.0100	0.333	1	03/09/2017 10:39	WG958690
Hexachlorocyclopentadiene	U		0.0587	0.333	1	03/09/2017 10:39	WG958690
Hexachloroethane	U		0.0134	0.333	1	03/09/2017 10:39	WG958690

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330	1	03/09/2017 10:39	WG958690
Isophorone	U		0.00522	0.333	1	03/09/2017 10:39	WG958690
2-Methylnaphthalene	U		0.00861	0.0330	1	03/09/2017 10:39	WG958690
Naphthalene	U		0.00889	0.0330	1	03/09/2017 10:39	WG958690
2-Nitroaniline	U		0.00755	0.333	1	03/09/2017 10:39	WG958690
3-Nitroaniline	U		0.00850	0.333	1	03/09/2017 10:39	WG958690
4-Nitroaniline	U		0.00639	0.333	1	03/09/2017 10:39	WG958690
Nitrobenzene	U		0.00695	0.333	1	03/09/2017 10:39	WG958690
n-Nitrosodiphenylamine	U		0.00594	0.333	1	03/09/2017 10:39	WG958690
n-Nitrosodi-n-propylamine	U		0.00906	0.333	1	03/09/2017 10:39	WG958690
Phenanthrene	U		0.00528	0.0330	1	03/09/2017 10:39	WG958690
Benzylbutyl phthalate	U		0.0103	0.333	1	03/09/2017 10:39	WG958690
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333	1	03/09/2017 10:39	WG958690
Diethyl phthalate	U		0.00691	0.333	1	03/09/2017 10:39	WG958690
Dimethyl phthalate	U		0.00540	0.333	1	03/09/2017 10:39	WG958690
Di-n-octyl phthalate	U		0.00907	0.333	1	03/09/2017 10:39	WG958690
Pyrene	U		0.0123	0.0330	1	03/09/2017 10:39	WG958690
1,2,4,5-Tetrachlorobenzene	U		0.0762	0.333	1	03/09/2017 10:39	WG958690
1,2,4-Trichlorobenzene	U		0.00876	0.333	1	03/09/2017 10:39	WG958690
2-Chlorophenol	U		0.00831	0.333	1	03/09/2017 10:39	WG958690
2,4-Dichlorophenol	U		0.00746	0.333	1	03/09/2017 10:39	WG958690
2,4-Dimethylphenol	U		0.0471	0.333	1	03/09/2017 10:39	WG958690
2,4-Dinitrophenol	U		0.0980	0.333	1	03/09/2017 10:39	WG958690
4-Nitrophenol	U		0.0525	0.333	1	03/09/2017 10:39	WG958690
Pentachlorophenol	U		0.0480	0.333	1	03/09/2017 10:39	WG958690
Phenol	U		0.00695	0.333	1	03/09/2017 10:39	WG958690
2,3,4,6-Tetrachlorophenol	U		0.121	0.333	1	03/09/2017 10:39	WG958690
2,4,5-Trichlorophenol	U		0.0104	0.333	1	03/09/2017 10:39	WG958690
2,4,6-Trichlorophenol	U		0.00779	0.333	1	03/09/2017 10:39	WG958690
(S) 2-Fluorophenol	*73.0*			*20.0-120*		*03/09/2017 10:39*	WG958690
(S) Phenol-d5	*69.0*			*20.0-120*		*03/09/2017 10:39*	WG958690
(S) Nitrobenzene-d5	*71.0*			*18.0-125*		*03/09/2017 10:39*	WG958690
(S) 2-Fluorobiphenyl	*72.2*			*28.0-120*		*03/09/2017 10:39*	WG958690
(S) 2,4,6-Tribromophenol	*62.0*			*17.0-137*		*03/09/2017 10:39*	WG958690
(S) p-Terphenyl-d14	*64.4*			*13.0-131*		*03/09/2017 10:39*	WG958690

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0101	J	0.00280	0.0200	1	03/08/2017 09:20	WG958747

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.02		0.650	2.00	1	03/06/2017 13:44	WG958012
Barium	126		0.170	0.500	1	03/06/2017 13:44	WG958012
Cadmium	0.161	J	0.0700	0.500	1	03/06/2017 13:44	WG958012
Chromium	9.20		0.140	1.00	1	03/06/2017 13:44	WG958012
Lead	5.73		0.190	0.500	1	03/06/2017 13:44	WG958012
Selenium	U		0.740	2.00	1	03/06/2017 13:44	WG958012
Silver	U		0.280	1.00	1	03/06/2017 13:44	WG958012

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	03/08/2017 04:04	WG958703
(S) a,a,a-Trifluorotoluene(FID)	*90.2*			*77.0-120*		*03/08/2017 04:04*	WG958703

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0100	0.0500	1	03/09/2017 05:23	WG958909
Benzene	0.000877	J	0.000270	0.00100	1	03/09/2017 05:23	WG958909
Bromodichloromethane	U		0.000254	0.00100	1	03/09/2017 05:23	WG958909
Bromoform	U		0.000424	0.00100	1	03/09/2017 05:23	WG958909
Bromomethane	U		0.00134	0.00500	1	03/09/2017 05:23	WG958909
Carbon disulfide	U		0.000221	0.00100	1	03/09/2017 05:23	WG958909
Carbon tetrachloride	U		0.000328	0.00100	1	03/09/2017 05:23	WG958909
Chlorobenzene	U		0.000212	0.00100	1	03/09/2017 05:23	WG958909
Chlorodibromomethane	U		0.000373	0.00100	1	03/09/2017 05:23	WG958909
Chloroethane	U		0.000946	0.00500	1	03/09/2017 05:23	WG958909
Chloroform	U		0.000229	0.00500	1	03/09/2017 05:23	WG958909
Chloromethane	U		0.000375	0.00250	1	03/09/2017 05:23	WG958909
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500	1	03/09/2017 05:23	WG958909
1,2-Dichlorobenzene	U		0.000305	0.00100	1	03/09/2017 05:23	WG958909
1,3-Dichlorobenzene	U		0.000239	0.00100	1	03/09/2017 05:23	WG958909
1,4-Dichlorobenzene	U		0.000226	0.00100	1	03/09/2017 05:23	WG958909
Dichlorodifluoromethane	U		0.000713	0.00500	1	03/09/2017 05:23	WG958909
1,1-Dichloroethane	U		0.000199	0.00100	1	03/09/2017 05:23	WG958909
1,2-Dichloroethane	U		0.000265	0.00100	1	03/09/2017 05:23	WG958909
1,1-Dichloroethene	U		0.000303	0.00100	1	03/09/2017 05:23	WG958909
cis-1,2-Dichloroethene	U		0.000235	0.00100	1	03/09/2017 05:23	WG958909
trans-1,2-Dichloroethene	U		0.000264	0.00100	1	03/09/2017 05:23	WG958909
1,2-Dichloropropane	U		0.000358	0.00100	1	03/09/2017 05:23	WG958909
cis-1,3-Dichloropropene	U		0.000262	0.00100	1	03/09/2017 05:23	WG958909
trans-1,3-Dichloropropene	U		0.000267	0.00100	1	03/09/2017 05:23	WG958909
Ethylbenzene	U		0.000297	0.00100	1	03/09/2017 05:23	WG958909
Hexachloro-1,3-butadiene	U		0.000342	0.00100	1	03/09/2017 05:23	WG958909
Isobutanol	U		0.0430	0.100	1	03/09/2017 05:23	WG958909
2-Butanone (MEK)	U		0.00468	0.0100	1	03/09/2017 05:23	WG958909
Methylene Chloride	U		0.00100	0.00500	1	03/09/2017 05:23	WG958909
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100	1	03/09/2017 05:23	WG958909
Methyl tert-butyl ether	U		0.000212	0.00100	1	03/09/2017 05:23	WG958909

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/09/2017 05:23	WG958909
Styrene	U		0.000234	0.00100	1	03/09/2017 05:23	WG958909
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100	1	03/09/2017 05:23	WG958909
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100	1	03/09/2017 05:23	WG958909
Tetrachloroethene	U		0.000276	0.00100	1	03/09/2017 05:23	WG958909
Toluene	U		0.000434	0.00500	1	03/09/2017 05:23	WG958909
1,2,4-Trichlorobenzene	U		0.000388	0.00100	1	03/09/2017 05:23	WG958909
1,1,1-Trichloroethane	U		0.000286	0.00100	1	03/09/2017 05:23	WG958909
1,1,2-Trichloroethane	U		0.000277	0.00100	1	03/09/2017 05:23	WG958909
Trichloroethene	U		0.000279	0.00100	1	03/09/2017 05:23	WG958909
Trichlorofluoromethane	U		0.000382	0.00500	1	03/09/2017 05:23	WG958909
Vinyl chloride	U		0.000291	0.00100	1	03/09/2017 05:23	WG958909
Xylenes, Total	U		0.000698	0.00300	1	03/09/2017 05:23	WG958909
(S) Toluene-d8	*102*			*80.0-120*		*03/09/2017 05:23*	WG958909
(S) Dibromofluoromethane	*108*			*74.0-131*		*03/09/2017 05:23*	WG958909
(S) a,a,a-Trifluorotoluene	*97.5*			*80.0-120*		*03/09/2017 05:23*	WG958909
(S) 4-Bromofluorobenzene	*96.7*			*64.0-132*		*03/09/2017 05:23*	WG958909

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U	J3	1.61	4.00	1	03/09/2017 00:57	WG958344
C28-C40 Oil Range	U		0.274	4.00	1	03/09/2017 00:57	WG958344
(S) o-Terphenyl	*126*			*18.0-148*		*03/09/2017 00:57*	WG958344

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00642	0.0330	1	03/09/2017 11:04	WG958690
Acenaphthylene	U		0.00671	0.0330	1	03/09/2017 11:04	WG958690
Aniline	U		0.0320	0.333	1	03/09/2017 11:04	WG958690
Anthracene	U		0.00632	0.0330	1	03/09/2017 11:04	WG958690
Benzo(a)anthracene	U		0.00428	0.0330	1	03/09/2017 11:04	WG958690
Benzo(b)fluoranthene	U		0.00695	0.0330	1	03/09/2017 11:04	WG958690
Benzo(k)fluoranthene	U		0.00582	0.0330	1	03/09/2017 11:04	WG958690
Benzo(a)pyrene	U		0.00548	0.0330	1	03/09/2017 11:04	WG958690
Biphenyl	U		0.00588	0.333	1	03/09/2017 11:04	WG958690
Bis(2-chloroethyl)ether	U		0.00896	0.333	1	03/09/2017 11:04	WG958690
Bis(2-chloroisopropyl)ether	U		0.00760	0.333	1	03/09/2017 11:04	WG958690
2-Chloronaphthalene	U		0.00639	0.0330	1	03/09/2017 11:04	WG958690
4-Chloroaniline	U		0.0352	0.333	1	03/09/2017 11:04	WG958690
Chrysene	U		0.00555	0.0330	1	03/09/2017 11:04	WG958690
Dibenz(a,h)anthracene	U		0.00821	0.0330	1	03/09/2017 11:04	WG958690
Dibenzofuran	U		0.00518	0.333	1	03/09/2017 11:04	WG958690
Dinoseb	U		0.0970	0.330	1	03/09/2017 12:37	WG958690
3,3-Dichlorobenzidine	U		0.0794	0.333	1	03/09/2017 11:04	WG958690
1,3-Dinitrobenzene	U		0.0617	0.333	1	03/09/2017 12:37	WG958690
2,4-Dinitrotoluene	U		0.00607	0.333	1	03/09/2017 11:04	WG958690
2,6-Dinitrotoluene	U		0.00737	0.333	1	03/09/2017 11:04	WG958690
Fluoranthene	U		0.00496	0.0330	1	03/09/2017 11:04	WG958690
Fluorene	U		0.00682	0.0330	1	03/09/2017 11:04	WG958690
Hexachlorobenzene	U		0.00856	0.333	1	03/09/2017 11:04	WG958690
Hexachloro-1,3-butadiene	U		0.0100	0.333	1	03/09/2017 11:04	WG958690
Hexachlorocyclopentadiene	U		0.0587	0.333	1	03/09/2017 11:04	WG958690
Hexachloroethane	U		0.0134	0.333	1	03/09/2017 11:04	WG958690

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330	1	03/09/2017 11:04	WG958690
Isophorone	U		0.00522	0.333	1	03/09/2017 11:04	WG958690
2-Methylnaphthalene	U		0.00861	0.0330	1	03/09/2017 11:04	WG958690
Naphthalene	U		0.00889	0.0330	1	03/09/2017 11:04	WG958690
2-Nitroaniline	U		0.00755	0.333	1	03/09/2017 11:04	WG958690
3-Nitroaniline	U		0.00850	0.333	1	03/09/2017 11:04	WG958690
4-Nitroaniline	U		0.00639	0.333	1	03/09/2017 11:04	WG958690
Nitrobenzene	U		0.00695	0.333	1	03/09/2017 11:04	WG958690
n-Nitrosodiphenylamine	U		0.00594	0.333	1	03/09/2017 11:04	WG958690
n-Nitrosodi-n-propylamine	U		0.00906	0.333	1	03/09/2017 11:04	WG958690
Phenanthrene	U		0.00528	0.0330	1	03/09/2017 11:04	WG958690
Benzylbutyl phthalate	U		0.0103	0.333	1	03/09/2017 11:04	WG958690
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333	1	03/09/2017 11:04	WG958690
Diethyl phthalate	U		0.00691	0.333	1	03/09/2017 11:04	WG958690
Dimethyl phthalate	U		0.00540	0.333	1	03/09/2017 11:04	WG958690
Di-n-octyl phthalate	U		0.00907	0.333	1	03/09/2017 11:04	WG958690
Pyrene	U		0.0123	0.0330	1	03/09/2017 11:04	WG958690
1,2,4,5-Tetrachlorobenzene	U		0.0762	0.333	1	03/09/2017 11:04	WG958690
1,2,4-Trichlorobenzene	U		0.00876	0.333	1	03/09/2017 11:04	WG958690
2-Chlorophenol	U		0.00831	0.333	1	03/09/2017 11:04	WG958690
2,4-Dichlorophenol	U		0.00746	0.333	1	03/09/2017 11:04	WG958690
2,4-Dimethylphenol	U		0.0471	0.333	1	03/09/2017 11:04	WG958690
2,4-Dinitrophenol	U		0.0980	0.333	1	03/09/2017 11:04	WG958690
4-Nitrophenol	U		0.0525	0.333	1	03/09/2017 11:04	WG958690
Pentachlorophenol	U		0.0480	0.333	1	03/09/2017 11:04	WG958690
Phenol	U		0.00695	0.333	1	03/09/2017 11:04	WG958690
2,3,4,6-Tetrachlorophenol	U		0.121	0.333	1	03/09/2017 11:04	WG958690
2,4,5-Trichlorophenol	U		0.0104	0.333	1	03/09/2017 11:04	WG958690
2,4,6-Trichlorophenol	U		0.00779	0.333	1	03/09/2017 11:04	WG958690
(S) 2-Fluorophenol	*78.8*			*20.0-120*		*03/09/2017 11:04*	WG958690
(S) Phenol-d5	*73.8*			*20.0-120*		*03/09/2017 11:04*	WG958690
(S) Nitrobenzene-d5	*70.7*			*18.0-125*		*03/09/2017 11:04*	WG958690
(S) 2-Fluorobiphenyl	*76.7*			*28.0-120*		*03/09/2017 11:04*	WG958690
(S) 2,4,6-Tribromophenol	*66.4*			*17.0-137*		*03/09/2017 11:04*	WG958690
(S) p-Terphenyl-d14	*69.8*			*13.0-131*		*03/09/2017 11:04*	WG958690

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.0108	J	0.00280	0.0200	1	03/08/2017 09:28	WG958747

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	2.83		0.650	2.00	1	03/06/2017 13:46	WG958012
Barium	124		0.170	0.500	1	03/06/2017 13:46	WG958012
Cadmium	0.0823	J	0.0700	0.500	1	03/06/2017 13:46	WG958012
Chromium	13.8		0.140	1.00	1	03/06/2017 13:46	WG958012
Lead	9.19		0.190	0.500	1	03/06/2017 13:46	WG958012
Selenium	U		0.740	2.00	1	03/06/2017 13:46	WG958012
Silver	U		0.280	1.00	1	03/06/2017 13:46	WG958012

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	03/08/2017 04:26	WG958703
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*03/08/2017 04:26*	WG958703

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0118	J	0.0100	0.0500	1	03/09/2017 05:43	WG958909
Benzene	0.000882	J	0.000270	0.00100	1	03/09/2017 05:43	WG958909
Bromodichloromethane	U		0.000254	0.00100	1	03/09/2017 05:43	WG958909
Bromoform	U		0.000424	0.00100	1	03/09/2017 05:43	WG958909
Bromomethane	U		0.00134	0.00500	1	03/09/2017 05:43	WG958909
Carbon disulfide	0.000317	J	0.000221	0.00100	1	03/09/2017 05:43	WG958909
Carbon tetrachloride	U		0.000328	0.00100	1	03/09/2017 05:43	WG958909
Chlorobenzene	U		0.000212	0.00100	1	03/09/2017 05:43	WG958909
Chlorodibromomethane	U		0.000373	0.00100	1	03/09/2017 05:43	WG958909
Chloroethane	U		0.000946	0.00500	1	03/09/2017 05:43	WG958909
Chloroform	U		0.000229	0.00500	1	03/09/2017 05:43	WG958909
Chloromethane	U		0.000375	0.00250	1	03/09/2017 05:43	WG958909
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500	1	03/09/2017 05:43	WG958909
1,2-Dichlorobenzene	U		0.000305	0.00100	1	03/09/2017 05:43	WG958909
1,3-Dichlorobenzene	U		0.000239	0.00100	1	03/09/2017 05:43	WG958909
1,4-Dichlorobenzene	U		0.000226	0.00100	1	03/09/2017 05:43	WG958909
Dichlorodifluoromethane	U		0.000713	0.00500	1	03/09/2017 05:43	WG958909
1,1-Dichloroethane	U		0.000199	0.00100	1	03/09/2017 05:43	WG958909
1,2-Dichloroethane	U		0.000265	0.00100	1	03/09/2017 05:43	WG958909
1,1-Dichloroethene	U		0.000303	0.00100	1	03/09/2017 05:43	WG958909
cis-1,2-Dichloroethene	U		0.000235	0.00100	1	03/09/2017 05:43	WG958909
trans-1,2-Dichloroethene	U		0.000264	0.00100	1	03/09/2017 05:43	WG958909
1,2-Dichloropropane	U		0.000358	0.00100	1	03/09/2017 05:43	WG958909
cis-1,3-Dichloropropene	U		0.000262	0.00100	1	03/09/2017 05:43	WG958909
trans-1,3-Dichloropropene	U		0.000267	0.00100	1	03/09/2017 05:43	WG958909
Ethylbenzene	U		0.000297	0.00100	1	03/09/2017 05:43	WG958909
Hexachloro-1,3-butadiene	U		0.000342	0.00100	1	03/09/2017 05:43	WG958909
Isobutanol	U		0.0430	0.100	1	03/09/2017 05:43	WG958909
2-Butanone (MEK)	U		0.00468	0.0100	1	03/09/2017 05:43	WG958909
Methylene Chloride	U		0.00100	0.00500	1	03/09/2017 05:43	WG958909
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100	1	03/09/2017 05:43	WG958909
Methyl tert-butyl ether	U		0.000212	0.00100	1	03/09/2017 05:43	WG958909

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/09/2017 05:43	WG958909
Styrene	U		0.000234	0.00100	1	03/09/2017 05:43	WG958909
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100	1	03/09/2017 05:43	WG958909
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100	1	03/09/2017 05:43	WG958909
Tetrachloroethene	U		0.000276	0.00100	1	03/09/2017 05:43	WG958909
Toluene	U		0.000434	0.00500	1	03/09/2017 05:43	WG958909
1,2,4-Trichlorobenzene	U		0.000388	0.00100	1	03/09/2017 05:43	WG958909
1,1,1-Trichloroethane	U		0.000286	0.00100	1	03/09/2017 05:43	WG958909
1,1,2-Trichloroethane	U		0.000277	0.00100	1	03/09/2017 05:43	WG958909
Trichloroethene	U		0.000279	0.00100	1	03/09/2017 05:43	WG958909
Trichlorofluoromethane	U		0.000382	0.00500	1	03/09/2017 05:43	WG958909
Vinyl chloride	U		0.000291	0.00100	1	03/09/2017 05:43	WG958909
Xylenes, Total	U		0.000698	0.00300	1	03/09/2017 05:43	WG958909
(S) Toluene-d8	*102*			*80.0-120*		*03/09/2017 05:43*	WG958909
(S) Dibromofluoromethane	*109*			*74.0-131*		*03/09/2017 05:43*	WG958909
(S) a,a,a-Trifluorotoluene	*98.1*			*80.0-120*		*03/09/2017 05:43*	WG958909
(S) 4-Bromofluorobenzene	*95.9*			*64.0-132*		*03/09/2017 05:43*	WG958909

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U	J3	1.61	4.00	1	03/09/2017 01:13	WG958344
C28-C40 Oil Range	U		0.274	4.00	1	03/09/2017 01:13	WG958344
(S) o-Terphenyl	*128*			*18.0-148*		*03/09/2017 01:13*	WG958344

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00642	0.0330	1	03/09/2017 11:29	WG958690
Acenaphthylene	U		0.00671	0.0330	1	03/09/2017 11:29	WG958690
Aniline	U		0.0320	0.333	1	03/09/2017 11:29	WG958690
Anthracene	U		0.00632	0.0330	1	03/09/2017 11:29	WG958690
Benzo(a)anthracene	U		0.00428	0.0330	1	03/09/2017 11:29	WG958690
Benzo(b)fluoranthene	U		0.00695	0.0330	1	03/09/2017 11:29	WG958690
Benzo(k)fluoranthene	U		0.00582	0.0330	1	03/09/2017 11:29	WG958690
Benzo(a)pyrene	U		0.00548	0.0330	1	03/09/2017 11:29	WG958690
Biphenyl	U		0.00588	0.333	1	03/09/2017 11:29	WG958690
Bis(2-chloroethyl)ether	U		0.00896	0.333	1	03/09/2017 11:29	WG958690
Bis(2-chloroisopropyl)ether	U		0.00760	0.333	1	03/09/2017 11:29	WG958690
2-Chloronaphthalene	U		0.00639	0.0330	1	03/09/2017 11:29	WG958690
4-Chloroaniline	U		0.0352	0.333	1	03/09/2017 11:29	WG958690
Chrysene	U		0.00555	0.0330	1	03/09/2017 11:29	WG958690
Dibenz(a,h)anthracene	U		0.00821	0.0330	1	03/09/2017 11:29	WG958690
Dibenzofuran	U		0.00518	0.333	1	03/09/2017 11:29	WG958690
Dinoseb	U		0.0970	0.330	1	03/09/2017 12:54	WG958690
3,3-Dichlorobenzidine	U		0.0794	0.333	1	03/09/2017 11:29	WG958690
1,3-Dinitrobenzene	U		0.0617	0.333	1	03/09/2017 12:54	WG958690
2,4-Dinitrotoluene	U		0.00607	0.333	1	03/09/2017 11:29	WG958690
2,6-Dinitrotoluene	U		0.00737	0.333	1	03/09/2017 11:29	WG958690
Fluoranthene	U		0.00496	0.0330	1	03/09/2017 11:29	WG958690
Fluorene	U		0.00682	0.0330	1	03/09/2017 11:29	WG958690
Hexachlorobenzene	U		0.00856	0.333	1	03/09/2017 11:29	WG958690
Hexachloro-1,3-butadiene	U		0.0100	0.333	1	03/09/2017 11:29	WG958690
Hexachlorocyclopentadiene	U		0.0587	0.333	1	03/09/2017 11:29	WG958690
Hexachloroethane	U		0.0134	0.333	1	03/09/2017 11:29	WG958690

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330	1	03/09/2017 11:29	WG958690
Isophorone	U		0.00522	0.333	1	03/09/2017 11:29	WG958690
2-Methylnaphthalene	U		0.00861	0.0330	1	03/09/2017 11:29	WG958690
Naphthalene	U		0.00889	0.0330	1	03/09/2017 11:29	WG958690
2-Nitroaniline	U		0.00755	0.333	1	03/09/2017 11:29	WG958690
3-Nitroaniline	U		0.00850	0.333	1	03/09/2017 11:29	WG958690
4-Nitroaniline	U		0.00639	0.333	1	03/09/2017 11:29	WG958690
Nitrobenzene	U		0.00695	0.333	1	03/09/2017 11:29	WG958690
n-Nitrosodiphenylamine	U		0.00594	0.333	1	03/09/2017 11:29	WG958690
n-Nitrosodi-n-propylamine	U		0.00906	0.333	1	03/09/2017 11:29	WG958690
Phenanthrene	U		0.00528	0.0330	1	03/09/2017 11:29	WG958690
Benzylbutyl phthalate	U		0.0103	0.333	1	03/09/2017 11:29	WG958690
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333	1	03/09/2017 11:29	WG958690
Diethyl phthalate	U		0.00691	0.333	1	03/09/2017 11:29	WG958690
Dimethyl phthalate	U		0.00540	0.333	1	03/09/2017 11:29	WG958690
Di-n-octyl phthalate	U		0.00907	0.333	1	03/09/2017 11:29	WG958690
Pyrene	U		0.0123	0.0330	1	03/09/2017 11:29	WG958690
1,2,4,5-Tetrachlorobenzene	U		0.0762	0.333	1	03/09/2017 11:29	WG958690
1,2,4-Trichlorobenzene	U		0.00876	0.333	1	03/09/2017 11:29	WG958690
2-Chlorophenol	U		0.00831	0.333	1	03/09/2017 11:29	WG958690
2,4-Dichlorophenol	U		0.00746	0.333	1	03/09/2017 11:29	WG958690
2,4-Dimethylphenol	U		0.0471	0.333	1	03/09/2017 11:29	WG958690
2,4-Dinitrophenol	U		0.0980	0.333	1	03/09/2017 11:29	WG958690
4-Nitrophenol	U		0.0525	0.333	1	03/09/2017 11:29	WG958690
Pentachlorophenol	U		0.0480	0.333	1	03/09/2017 11:29	WG958690
Phenol	U		0.00695	0.333	1	03/09/2017 11:29	WG958690
2,3,4,6-Tetrachlorophenol	U		0.121	0.333	1	03/09/2017 11:29	WG958690
2,4,5-Trichlorophenol	U		0.0104	0.333	1	03/09/2017 11:29	WG958690
2,4,6-Trichlorophenol	U		0.00779	0.333	1	03/09/2017 11:29	WG958690
(S) 2-Fluorophenol	*73.8*			*20.0-120*		*03/09/2017 11:29*	WG958690
(S) Phenol-d5	*71.8*			*20.0-120*		*03/09/2017 11:29*	WG958690
(S) Nitrobenzene-d5	*72.0*			*18.0-125*		*03/09/2017 11:29*	WG958690
(S) 2-Fluorobiphenyl	*74.5*			*28.0-120*		*03/09/2017 11:29*	WG958690
(S) 2,4,6-Tribromophenol	*66.1*			*17.0-137*		*03/09/2017 11:29*	WG958690
(S) p-Terphenyl-d14	*68.7*			*13.0-131*		*03/09/2017 11:29*	WG958690

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00890	J	0.00280	0.0200	1	03/08/2017 09:30	WG958747

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	4.50		0.650	2.00	1	03/06/2017 13:49	WG958012
Barium	135		0.170	0.500	1	03/06/2017 13:49	WG958012
Cadmium	0.160	J	0.0700	0.500	1	03/06/2017 13:49	WG958012
Chromium	9.95		0.140	1.00	1	03/06/2017 13:49	WG958012
Lead	7.96		0.190	0.500	1	03/06/2017 13:49	WG958012
Selenium	U		0.740	2.00	1	03/06/2017 13:49	WG958012
Silver	U		0.280	1.00	1	03/06/2017 13:49	WG958012

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	03/08/2017 04:49	WG958703
(S) a,a,a-Trifluorotoluene(FID)	*90.0*			*77.0-120*		*03/08/2017 04:49*	WG958703

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	0.0125	J	0.0100	0.0500	1	03/09/2017 06:03	WG958909
Benzene	0.000899	J	0.000270	0.00100	1	03/09/2017 06:03	WG958909
Bromodichloromethane	U		0.000254	0.00100	1	03/09/2017 06:03	WG958909
Bromoform	U		0.000424	0.00100	1	03/09/2017 06:03	WG958909
Bromomethane	U		0.00134	0.00500	1	03/09/2017 06:03	WG958909
Carbon disulfide	0.000326	J	0.000221	0.00100	1	03/09/2017 06:03	WG958909
Carbon tetrachloride	U		0.000328	0.00100	1	03/09/2017 06:03	WG958909
Chlorobenzene	U		0.000212	0.00100	1	03/09/2017 06:03	WG958909
Chlorodibromomethane	U		0.000373	0.00100	1	03/09/2017 06:03	WG958909
Chloroethane	U		0.000946	0.00500	1	03/09/2017 06:03	WG958909
Chloroform	U		0.000229	0.00500	1	03/09/2017 06:03	WG958909
Chloromethane	U		0.000375	0.00250	1	03/09/2017 06:03	WG958909
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500	1	03/09/2017 06:03	WG958909
1,2-Dichlorobenzene	U		0.000305	0.00100	1	03/09/2017 06:03	WG958909
1,3-Dichlorobenzene	U		0.000239	0.00100	1	03/09/2017 06:03	WG958909
1,4-Dichlorobenzene	U		0.000226	0.00100	1	03/09/2017 06:03	WG958909
Dichlorodifluoromethane	U		0.000713	0.00500	1	03/09/2017 06:03	WG958909
1,1-Dichloroethane	U		0.000199	0.00100	1	03/09/2017 06:03	WG958909
1,2-Dichloroethane	U		0.000265	0.00100	1	03/09/2017 06:03	WG958909
1,1-Dichloroethene	U		0.000303	0.00100	1	03/09/2017 06:03	WG958909
cis-1,2-Dichloroethene	U		0.000235	0.00100	1	03/09/2017 06:03	WG958909
trans-1,2-Dichloroethene	U		0.000264	0.00100	1	03/09/2017 06:03	WG958909
1,2-Dichloropropane	U		0.000358	0.00100	1	03/09/2017 06:03	WG958909
cis-1,3-Dichloropropene	U		0.000262	0.00100	1	03/09/2017 06:03	WG958909
trans-1,3-Dichloropropene	U		0.000267	0.00100	1	03/09/2017 06:03	WG958909
Ethylbenzene	U		0.000297	0.00100	1	03/09/2017 06:03	WG958909
Hexachloro-1,3-butadiene	U		0.000342	0.00100	1	03/09/2017 06:03	WG958909
Isobutanol	U		0.0430	0.100	1	03/09/2017 06:03	WG958909
2-Butanone (MEK)	U		0.00468	0.0100	1	03/09/2017 06:03	WG958909
Methylene Chloride	U		0.00100	0.00500	1	03/09/2017 06:03	WG958909
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100	1	03/09/2017 06:03	WG958909
Methyl tert-butyl ether	U		0.000212	0.00100	1	03/09/2017 06:03	WG958909

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/09/2017 06:03	WG958909
Styrene	U		0.000234	0.00100	1	03/09/2017 06:03	WG958909
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100	1	03/09/2017 06:03	WG958909
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100	1	03/09/2017 06:03	WG958909
Tetrachloroethene	U		0.000276	0.00100	1	03/09/2017 06:03	WG958909
Toluene	0.000519	J	0.000434	0.00500	1	03/09/2017 06:03	WG958909
1,2,4-Trichlorobenzene	U		0.000388	0.00100	1	03/09/2017 06:03	WG958909
1,1,1-Trichloroethane	U		0.000286	0.00100	1	03/09/2017 06:03	WG958909
1,1,2-Trichloroethane	U		0.000277	0.00100	1	03/09/2017 06:03	WG958909
Trichloroethene	U		0.000279	0.00100	1	03/09/2017 06:03	WG958909
Trichlorofluoromethane	U		0.000382	0.00500	1	03/09/2017 06:03	WG958909
Vinyl chloride	U		0.000291	0.00100	1	03/09/2017 06:03	WG958909
Xylenes, Total	U		0.000698	0.00300	1	03/09/2017 06:03	WG958909
(S) Toluene-d8	*102*			*80.0-120*		*03/09/2017 06:03*	WG958909
(S) Dibromofluoromethane	*110*			*74.0-131*		*03/09/2017 06:03*	WG958909
(S) a,a,a-Trifluorotoluene	*97.2*			*80.0-120*		*03/09/2017 06:03*	WG958909
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*03/09/2017 06:03*	WG958909

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U	J3	1.61	4.00	1	03/09/2017 01:29	WG958344
C28-C40 Oil Range	U		0.274	4.00	1	03/09/2017 01:29	WG958344
(S) o-Terphenyl	*116*			*18.0-148*		*03/09/2017 01:29*	WG958344

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00642	0.0330	1	03/09/2017 11:54	WG958690
Acenaphthylene	U		0.00671	0.0330	1	03/09/2017 11:54	WG958690
Aniline	U		0.0320	0.333	1	03/09/2017 11:54	WG958690
Anthracene	U		0.00632	0.0330	1	03/09/2017 11:54	WG958690
Benzo(a)anthracene	U		0.00428	0.0330	1	03/09/2017 11:54	WG958690
Benzo(b)fluoranthene	U		0.00695	0.0330	1	03/09/2017 11:54	WG958690
Benzo(k)fluoranthene	U		0.00582	0.0330	1	03/09/2017 11:54	WG958690
Benzo(a)pyrene	U		0.00548	0.0330	1	03/09/2017 11:54	WG958690
Biphenyl	U		0.00588	0.333	1	03/09/2017 11:54	WG958690
Bis(2-chloroethyl)ether	U		0.00896	0.333	1	03/09/2017 11:54	WG958690
Bis(2-chloroisopropyl)ether	U		0.00760	0.333	1	03/09/2017 11:54	WG958690
2-Chloronaphthalene	U		0.00639	0.0330	1	03/09/2017 11:54	WG958690
4-Chloroaniline	U		0.0352	0.333	1	03/09/2017 11:54	WG958690
Chrysene	U		0.00555	0.0330	1	03/09/2017 11:54	WG958690
Dibenz(a,h)anthracene	U		0.00821	0.0330	1	03/09/2017 11:54	WG958690
Dibenzofuran	U		0.00518	0.333	1	03/09/2017 11:54	WG958690
Dinoseb	U		0.0970	0.330	1	03/09/2017 13:11	WG958690
3,3-Dichlorobenzidine	U		0.0794	0.333	1	03/09/2017 11:54	WG958690
1,3-Dinitrobenzene	U		0.0617	0.333	1	03/09/2017 13:11	WG958690
2,4-Dinitrotoluene	U		0.00607	0.333	1	03/09/2017 11:54	WG958690
2,6-Dinitrotoluene	U		0.00737	0.333	1	03/09/2017 11:54	WG958690
Fluoranthene	U		0.00496	0.0330	1	03/09/2017 11:54	WG958690
Fluorene	U		0.00682	0.0330	1	03/09/2017 11:54	WG958690
Hexachlorobenzene	U		0.00856	0.333	1	03/09/2017 11:54	WG958690
Hexachloro-1,3-butadiene	U		0.0100	0.333	1	03/09/2017 11:54	WG958690
Hexachlorocyclopentadiene	U		0.0587	0.333	1	03/09/2017 11:54	WG958690
Hexachloroethane	U		0.0134	0.333	1	03/09/2017 11:54	WG958690

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330	1	03/09/2017 11:54	WG958690
Isophorone	U		0.00522	0.333	1	03/09/2017 11:54	WG958690
2-Methylnaphthalene	U		0.00861	0.0330	1	03/09/2017 11:54	WG958690
Naphthalene	U		0.00889	0.0330	1	03/09/2017 11:54	WG958690
2-Nitroaniline	U		0.00755	0.333	1	03/09/2017 11:54	WG958690
3-Nitroaniline	U		0.00850	0.333	1	03/09/2017 11:54	WG958690
4-Nitroaniline	U		0.00639	0.333	1	03/09/2017 11:54	WG958690
Nitrobenzene	U		0.00695	0.333	1	03/09/2017 11:54	WG958690
n-Nitrosodiphenylamine	U		0.00594	0.333	1	03/09/2017 11:54	WG958690
n-Nitrosodi-n-propylamine	U		0.00906	0.333	1	03/09/2017 11:54	WG958690
Phenanthrene	U		0.00528	0.0330	1	03/09/2017 11:54	WG958690
Benzylbutyl phthalate	U		0.0103	0.333	1	03/09/2017 11:54	WG958690
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333	1	03/09/2017 11:54	WG958690
Diethyl phthalate	U		0.00691	0.333	1	03/09/2017 11:54	WG958690
Dimethyl phthalate	U		0.00540	0.333	1	03/09/2017 11:54	WG958690
Di-n-octyl phthalate	U		0.00907	0.333	1	03/09/2017 11:54	WG958690
Pyrene	U		0.0123	0.0330	1	03/09/2017 11:54	WG958690
1,2,4,5-Tetrachlorobenzene	U		0.0762	0.333	1	03/09/2017 11:54	WG958690
1,2,4-Trichlorobenzene	U		0.00876	0.333	1	03/09/2017 11:54	WG958690
2-Chlorophenol	U		0.00831	0.333	1	03/09/2017 11:54	WG958690
2,4-Dichlorophenol	U		0.00746	0.333	1	03/09/2017 11:54	WG958690
2,4-Dimethylphenol	U		0.0471	0.333	1	03/09/2017 11:54	WG958690
2,4-Dinitrophenol	U		0.0980	0.333	1	03/09/2017 11:54	WG958690
4-Nitrophenol	U		0.0525	0.333	1	03/09/2017 11:54	WG958690
Pentachlorophenol	U		0.0480	0.333	1	03/09/2017 11:54	WG958690
Phenol	U		0.00695	0.333	1	03/09/2017 11:54	WG958690
2,3,4,6-Tetrachlorophenol	U		0.121	0.333	1	03/09/2017 11:54	WG958690
2,4,5-Trichlorophenol	U		0.0104	0.333	1	03/09/2017 11:54	WG958690
2,4,6-Trichlorophenol	U		0.00779	0.333	1	03/09/2017 11:54	WG958690
(S) 2-Fluorophenol	*73.2*			*20.0-120*		*03/09/2017 11:54*	WG958690
(S) Phenol-d5	*72.7*			*20.0-120*		*03/09/2017 11:54*	WG958690
(S) Nitrobenzene-d5	*72.1*			*18.0-125*		*03/09/2017 11:54*	WG958690
(S) 2-Fluorobiphenyl	*77.0*			*28.0-120*		*03/09/2017 11:54*	WG958690
(S) 2,4,6-Tribromophenol	*67.1*			*17.0-137*		*03/09/2017 11:54*	WG958690
(S) p-Terphenyl-d14	*72.1*			*13.0-131*		*03/09/2017 11:54*	WG958690

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

Mercury by Method 7471A

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Mercury	0.00794	J	0.00280	0.0200	1	03/08/2017 09:33	WG958747

Metals (ICP) by Method 6010B

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Arsenic	3.58		0.650	2.00	1	03/06/2017 13:52	WG958012
Barium	105		0.170	0.500	1	03/06/2017 13:52	WG958012
Cadmium	0.170	J	0.0700	0.500	1	03/06/2017 13:52	WG958012
Chromium	8.37		0.140	1.00	1	03/06/2017 13:52	WG958012
Lead	7.29		0.190	0.500	1	03/06/2017 13:52	WG958012
Selenium	U		0.740	2.00	1	03/06/2017 13:52	WG958012
Silver	U		0.280	1.00	1	03/06/2017 13:52	WG958012

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
TPH (GC/FID) Low Fraction	U		0.0217	0.100	1	03/08/2017 05:11	WG958703
(S) a,a,a-Trifluorotoluene(FID)	*90.3*			*77.0-120*		*03/08/2017 05:11*	WG958703

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.198	0.988	19.75	03/09/2017 14:04	WG958909
Benzene	U		0.00533	0.0198	19.75	03/09/2017 14:04	WG958909
Bromodichloromethane	U		0.00502	0.0198	19.75	03/09/2017 14:04	WG958909
Bromoform	U		0.00837	0.0198	19.75	03/09/2017 14:04	WG958909
Bromomethane	U		0.0265	0.0988	19.75	03/09/2017 14:04	WG958909
Carbon disulfide	U		0.00436	0.0198	19.75	03/09/2017 14:04	WG958909
Carbon tetrachloride	U		0.00648	0.0198	19.75	03/09/2017 14:04	WG958909
Chlorobenzene	U		0.00419	0.0198	19.75	03/09/2017 14:04	WG958909
Chlorodibromomethane	U		0.00737	0.0198	19.75	03/09/2017 14:04	WG958909
Chloroethane	U		0.0187	0.0988	19.75	03/09/2017 14:04	WG958909
Chloroform	U		0.00452	0.0988	19.75	03/09/2017 14:04	WG958909
Chloromethane	U		0.00741	0.0494	19.75	03/09/2017 14:04	WG958909
1,2-Dibromo-3-Chloropropane	U		0.0207	0.0988	19.75	03/09/2017 14:04	WG958909
1,2-Dichlorobenzene	U		0.00602	0.0198	19.75	03/09/2017 14:04	WG958909
1,3-Dichlorobenzene	U		0.00472	0.0198	19.75	03/09/2017 14:04	WG958909
1,4-Dichlorobenzene	U		0.00446	0.0198	19.75	03/09/2017 14:04	WG958909
Dichlorodifluoromethane	U		0.0141	0.0988	19.75	03/09/2017 14:04	WG958909
1,1-Dichloroethane	U		0.00393	0.0198	19.75	03/09/2017 14:04	WG958909
1,2-Dichloroethane	U		0.00523	0.0198	19.75	03/09/2017 14:04	WG958909
1,1-Dichloroethene	U		0.00598	0.0198	19.75	03/09/2017 14:04	WG958909
cis-1,2-Dichloroethene	U		0.00464	0.0198	19.75	03/09/2017 14:04	WG958909
trans-1,2-Dichloroethene	U		0.00521	0.0198	19.75	03/09/2017 14:04	WG958909
1,2-Dichloropropane	U		0.00707	0.0198	19.75	03/09/2017 14:04	WG958909
cis-1,3-Dichloropropene	U		0.00517	0.0198	19.75	03/09/2017 14:04	WG958909
trans-1,3-Dichloropropene	U		0.00527	0.0198	19.75	03/09/2017 14:04	WG958909
Ethylbenzene	U		0.00586	0.0198	19.75	03/09/2017 14:04	WG958909
Hexachloro-1,3-butadiene	U		0.00675	0.0198	19.75	03/09/2017 14:04	WG958909
Isobutanol	U		0.849	1.98	19.75	03/09/2017 14:04	WG958909
2-Butanone (MEK)	U		0.0924	0.198	19.75	03/09/2017 14:04	WG958909
Methylene Chloride	U		0.0198	0.0988	19.75	03/09/2017 14:04	WG958909
4-Methyl-2-pentanone (MIBK)	U		0.0371	0.198	19.75	03/09/2017 14:04	WG958909
Methyl tert-butyl ether	U		0.00419	0.0198	19.75	03/09/2017 14:04	WG958909

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Naphthalene	U		0.0198	0.0988	19.75	03/09/2017 14:04	WG958909
Styrene	U		0.00462	0.0198	19.75	03/09/2017 14:04	WG958909
1,1,1,2-Tetrachloroethane	U		0.00521	0.0198	19.75	03/09/2017 14:04	WG958909
1,1,2,2-Tetrachloroethane	U		0.00721	0.0198	19.75	03/09/2017 14:04	WG958909
Tetrachloroethene	U		0.00545	0.0198	19.75	03/09/2017 14:04	WG958909
Toluene	U		0.00857	0.0988	19.75	03/09/2017 14:04	WG958909
1,2,4-Trichlorobenzene	U		0.00766	0.0198	19.75	03/09/2017 14:04	WG958909
1,1,1-Trichloroethane	U		0.00565	0.0198	19.75	03/09/2017 14:04	WG958909
1,1,2-Trichloroethane	U		0.00547	0.0198	19.75	03/09/2017 14:04	WG958909
Trichloroethene	U		0.00551	0.0198	19.75	03/09/2017 14:04	WG958909
Trichlorofluoromethane	U		0.00754	0.0988	19.75	03/09/2017 14:04	WG958909
Vinyl chloride	U		0.00575	0.0198	19.75	03/09/2017 14:04	WG958909
Xylenes, Total	U		0.0138	0.0593	19.75	03/09/2017 14:04	WG958909
(S) Toluene-d8	*96.9*			*80.0-120*		*03/09/2017 14:04*	WG958909
(S) Dibromofluoromethane	*94.1*			*74.0-131*		*03/09/2017 14:04*	WG958909
(S) a,a,a-Trifluorotoluene	*101*			*80.0-120*		*03/09/2017 14:04*	WG958909
(S) 4-Bromofluorobenzene	*98.4*			*64.0-132*		*03/09/2017 14:04*	WG958909

Sample Narrative:

8260B L893760-06 WG958909: No stir bars remain for analysis.

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U	J3	1.61	4.00	1	03/09/2017 01:46	WG958344
C28-C40 Oil Range	U		0.274	4.00	1	03/09/2017 01:46	WG958344
(S) o-Terphenyl	*99.1*			*18.0-148*		*03/09/2017 01:46*	WG958344

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.00642	0.0330	1	03/09/2017 12:19	WG958690
Acenaphthylene	U		0.00671	0.0330	1	03/09/2017 12:19	WG958690
Aniline	U		0.0320	0.333	1	03/09/2017 12:19	WG958690
Anthracene	U		0.00632	0.0330	1	03/09/2017 12:19	WG958690
Benzo(a)anthracene	U		0.00428	0.0330	1	03/09/2017 12:19	WG958690
Benzo(b)fluoranthene	U		0.00695	0.0330	1	03/09/2017 12:19	WG958690
Benzo(k)fluoranthene	U		0.00582	0.0330	1	03/09/2017 12:19	WG958690
Benzo(a)pyrene	U		0.00548	0.0330	1	03/09/2017 12:19	WG958690
Biphenyl	U		0.00588	0.333	1	03/09/2017 12:19	WG958690
Bis(2-chloroethyl)ether	U		0.00896	0.333	1	03/09/2017 12:19	WG958690
Bis(2-chloroisopropyl)ether	U		0.00760	0.333	1	03/09/2017 12:19	WG958690
2-Chloronaphthalene	U		0.00639	0.0330	1	03/09/2017 12:19	WG958690
4-Chloroaniline	U		0.0352	0.333	1	03/09/2017 12:19	WG958690
Chrysene	U		0.00555	0.0330	1	03/09/2017 12:19	WG958690
Dibenz(a,h)anthracene	U		0.00821	0.0330	1	03/09/2017 12:19	WG958690
Dibenzofuran	U		0.00518	0.333	1	03/09/2017 12:19	WG958690
Dinoseb	U		0.0970	0.330	1	03/09/2017 13:28	WG958690
3,3-Dichlorobenzidine	U		0.0794	0.333	1	03/09/2017 12:19	WG958690
1,3-Dinitrobenzene	U		0.0617	0.333	1	03/09/2017 13:28	WG958690
2,4-Dinitrotoluene	U		0.00607	0.333	1	03/09/2017 12:19	WG958690
2,6-Dinitrotoluene	U		0.00737	0.333	1	03/09/2017 12:19	WG958690
Fluoranthene	U		0.00496	0.0330	1	03/09/2017 12:19	WG958690
Fluorene	U		0.00682	0.0330	1	03/09/2017 12:19	WG958690
Hexachlorobenzene	U		0.00856	0.333	1	03/09/2017 12:19	WG958690

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

Analyte	Result mg/kg	Qualifier	MDL mg/kg	RDL mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.0100	0.333	1	03/09/2017 12:19	WG958690
Hexachlorocyclopentadiene	U		0.0587	0.333	1	03/09/2017 12:19	WG958690
Hexachloroethane	U		0.0134	0.333	1	03/09/2017 12:19	WG958690
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330	1	03/09/2017 12:19	WG958690
Isophorone	U		0.00522	0.333	1	03/09/2017 12:19	WG958690
2-Methylnaphthalene	U		0.00861	0.0330	1	03/09/2017 12:19	WG958690
Naphthalene	U		0.00889	0.0330	1	03/09/2017 12:19	WG958690
2-Nitroaniline	U		0.00755	0.333	1	03/09/2017 12:19	WG958690
3-Nitroaniline	U		0.00850	0.333	1	03/09/2017 12:19	WG958690
4-Nitroaniline	U		0.00639	0.333	1	03/09/2017 12:19	WG958690
Nitrobenzene	U		0.00695	0.333	1	03/09/2017 12:19	WG958690
n-Nitrosodiphenylamine	U		0.00594	0.333	1	03/09/2017 12:19	WG958690
n-Nitrosodi-n-propylamine	U		0.00906	0.333	1	03/09/2017 12:19	WG958690
Phenanthrene	U		0.00528	0.0330	1	03/09/2017 12:19	WG958690
Benzylbutyl phthalate	U		0.0103	0.333	1	03/09/2017 12:19	WG958690
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333	1	03/09/2017 12:19	WG958690
Diethyl phthalate	U		0.00691	0.333	1	03/09/2017 12:19	WG958690
Dimethyl phthalate	U		0.00540	0.333	1	03/09/2017 12:19	WG958690
Di-n-octyl phthalate	U		0.00907	0.333	1	03/09/2017 12:19	WG958690
Pyrene	U		0.0123	0.0330	1	03/09/2017 12:19	WG958690
1,2,4,5-Tetrachlorobenzene	U		0.0762	0.333	1	03/09/2017 12:19	WG958690
1,2,4-Trichlorobenzene	U		0.00876	0.333	1	03/09/2017 12:19	WG958690
2-Chlorophenol	U		0.00831	0.333	1	03/09/2017 12:19	WG958690
2,4-Dichlorophenol	U		0.00746	0.333	1	03/09/2017 12:19	WG958690
2,4-Dimethylphenol	U		0.0471	0.333	1	03/09/2017 12:19	WG958690
2,4-Dinitrophenol	U		0.0980	0.333	1	03/09/2017 12:19	WG958690
4-Nitrophenol	U		0.0525	0.333	1	03/09/2017 12:19	WG958690
Pentachlorophenol	U		0.0480	0.333	1	03/09/2017 12:19	WG958690
Phenol	U		0.00695	0.333	1	03/09/2017 12:19	WG958690
2,3,4,6-Tetrachlorophenol	U		0.121	0.333	1	03/09/2017 12:19	WG958690
2,4,5-Trichlorophenol	U		0.0104	0.333	1	03/09/2017 12:19	WG958690
2,4,6-Trichlorophenol	U		0.00779	0.333	1	03/09/2017 12:19	WG958690
(S) 2-Fluorophenol	*80.0*			*20.0-120*		*03/09/2017 12:19*	WG958690
(S) Phenol-d5	*77.2*			*20.0-120*		*03/09/2017 12:19*	WG958690
(S) Nitrobenzene-d5	*77.3*			*18.0-125*		*03/09/2017 12:19*	WG958690
(S) 2-Fluorobiphenyl	*78.9*			*28.0-120*		*03/09/2017 12:19*	WG958690
(S) 2,4,6-Tribromophenol	*71.9*			*17.0-137*		*03/09/2017 12:19*	WG958690
(S) p-Terphenyl-d14	*76.7*			*13.0-131*		*03/09/2017 12:19*	WG958690

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	1	03/06/2017 13:12	WG957868

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.165		0.00650	0.0100	1	03/08/2017 09:08	WG958829
Barium	1.05		0.00170	0.00500	1	03/08/2017 09:08	WG958829
Cadmium	0.00296		0.000700	0.00200	1	03/08/2017 09:08	WG958829
Chromium	0.0449		0.00140	0.0100	1	03/08/2017 09:08	WG958829
Lead	0.0483		0.00190	0.00500	1	03/08/2017 09:08	WG958829
Selenium	0.0129		0.00740	0.0100	1	03/08/2017 09:08	WG958829
Silver	U		0.00280	0.00500	1	03/08/2017 09:08	WG958829

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	03/06/2017 16:16	WG957974
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-122*		*03/06/2017 16:16*	WG957974

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0100	0.0500	1	03/07/2017 13:22	WG958568
Benzene	U		0.000331	0.00100	1	03/07/2017 13:22	WG958568
Bromodichloromethane	U		0.000380	0.00100	1	03/07/2017 13:22	WG958568
Bromoform	U		0.000469	0.00100	1	03/07/2017 13:22	WG958568
Bromomethane	U		0.000866	0.00500	1	03/07/2017 13:22	WG958568
Carbon disulfide	0.000787	J	0.000275	0.00100	1	03/07/2017 13:22	WG958568
Carbon tetrachloride	U		0.000379	0.00100	1	03/07/2017 13:22	WG958568
Chlorobenzene	U		0.000348	0.00100	1	03/07/2017 13:22	WG958568
Chlorodibromomethane	U		0.000327	0.00100	1	03/07/2017 13:22	WG958568
Chloroethane	U		0.000453	0.00500	1	03/07/2017 13:22	WG958568
Chloroform	U		0.000324	0.00500	1	03/07/2017 13:22	WG958568
Chloromethane	U		0.000276	0.00250	1	03/07/2017 13:22	WG958568
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500	1	03/07/2017 13:22	WG958568
1,2-Dichlorobenzene	U		0.000349	0.00100	1	03/07/2017 13:22	WG958568
1,3-Dichlorobenzene	U		0.000220	0.00100	1	03/07/2017 13:22	WG958568
1,4-Dichlorobenzene	U		0.000274	0.00100	1	03/07/2017 13:22	WG958568
Dichlorodifluoromethane	U		0.000551	0.00500	1	03/07/2017 13:22	WG958568
1,1-Dichloroethane	U		0.000259	0.00100	1	03/07/2017 13:22	WG958568
1,2-Dichloroethane	U		0.000361	0.00100	1	03/07/2017 13:22	WG958568
1,1-Dichloroethene	U		0.000398	0.00100	1	03/07/2017 13:22	WG958568
cis-1,2-Dichloroethene	U		0.000260	0.00100	1	03/07/2017 13:22	WG958568
trans-1,2-Dichloroethene	U		0.000396	0.00100	1	03/07/2017 13:22	WG958568
1,2-Dichloropropane	U		0.000306	0.00100	1	03/07/2017 13:22	WG958568
cis-1,3-Dichloropropene	U		0.000418	0.00100	1	03/07/2017 13:22	WG958568
trans-1,3-Dichloropropene	U		0.000419	0.00100	1	03/07/2017 13:22	WG958568
Ethylbenzene	U		0.000384	0.00100	1	03/07/2017 13:22	WG958568
Hexachloro-1,3-butadiene	U		0.000256	0.00100	1	03/07/2017 13:22	WG958568
Isobutanol	U		0.0390	0.100	1	03/08/2017 07:38	WG958568
2-Butanone (MEK)	U		0.00393	0.0100	1	03/07/2017 13:22	WG958568
Methylene Chloride	U		0.00100	0.00500	1	03/07/2017 13:22	WG958568
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	1	03/07/2017 13:22	WG958568
Methyl tert-butyl ether	U		0.000367	0.00100	1	03/07/2017 13:22	WG958568

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/07/2017 13:22	WG958568
Styrene	U		0.000307	0.00100	1	03/07/2017 13:22	WG958568
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100	1	03/07/2017 13:22	WG958568
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	1	03/07/2017 13:22	WG958568
Tetrachloroethene	U		0.000372	0.00100	1	03/07/2017 13:22	WG958568
Toluene	U		0.000412	0.00100	1	03/07/2017 13:22	WG958568
1,2,4-Trichlorobenzene	U		0.000355	0.00100	1	03/07/2017 13:22	WG958568
1,1,1-Trichloroethane	U		0.000319	0.00100	1	03/07/2017 13:22	WG958568
1,1,2-Trichloroethane	U		0.000383	0.00100	1	03/07/2017 13:22	WG958568
Trichloroethene	U		0.000398	0.00100	1	03/07/2017 13:22	WG958568
Trichlorofluoromethane	U		0.00120	0.00500	1	03/07/2017 13:22	WG958568
Vinyl chloride	0.000599	J	0.000259	0.00100	1	03/07/2017 13:22	WG958568
Xylenes, Total	U		0.00106	0.00300	1	03/07/2017 13:22	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/07/2017 13:22*	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/08/2017 07:38*	WG958568
(S) Dibromofluoromethane	*87.8*			*76.0-123*		*03/07/2017 13:22*	WG958568
(S) Dibromofluoromethane	*98.4*			*76.0-123*		*03/08/2017 07:38*	WG958568
(S) 4-Bromofluorobenzene	*106*			*80.0-120*		*03/07/2017 13:22*	WG958568
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*03/08/2017 07:38*	WG958568

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	0.667		0.0222	0.100	1	03/09/2017 01:05	WG958694
C28-C40 Oil Range	0.131		0.0118	0.100	1	03/09/2017 01:05	WG958694
(S) o-Terphenyl	*124*			*52.0-156*		*03/09/2017 01:05*	WG958694

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000288	0.000910	.91	03/07/2017 20:41	WG958370
Acenaphthylene	U		0.000281	0.000910	.91	03/07/2017 20:41	WG958370
Aniline	U		0.00221	0.00910	.91	03/07/2017 20:41	WG958370
Anthracene	U		0.000265	0.000910	.91	03/07/2017 20:41	WG958370
Benzo(a)anthracene	U		0.0000887	0.000910	.91	03/07/2017 20:41	WG958370
Benzo(b)fluoranthene	U		0.0000815	0.000910	.91	03/07/2017 20:41	WG958370
Benzo(k)fluoranthene	U		0.000323	0.000910	.91	03/07/2017 20:41	WG958370
Benzo(a)pyrene	U		0.000309	0.000910	.91	03/07/2017 20:41	WG958370
biphenyl	U		0.000296	0.00910	.91	03/07/2017 20:41	WG958370
Bis(2-chloroethyl)ether	U		0.00147	0.00910	.91	03/07/2017 20:41	WG958370
Bis(2-chloroisopropyl)ether	U		0.000405	0.00910	.91	03/07/2017 20:41	WG958370
2-Chloronaphthalene	U		0.000300	0.000910	.91	03/07/2017 20:41	WG958370
4-Chloroaniline	U		0.000348	0.00910	.91	03/07/2017 20:41	WG958370
Chrysene	U		0.000302	0.000910	.91	03/07/2017 20:41	WG958370
Dibenz(a,h)anthracene	U		0.000254	0.000910	.91	03/07/2017 20:41	WG958370
Dibenzofuran	U		0.000308	0.00910	.91	03/07/2017 20:41	WG958370
Dinoseb	U		0.0163	0.0455	.91	03/09/2017 19:09	WG958370
3,3-Dichlorobenzidine	U	J4	0.00184	0.00910	.91	03/07/2017 20:41	WG958370
1,3-Dinitrobenzene	U		0.000327	0.00910	.91	03/09/2017 19:09	WG958370
2,4-Dinitrotoluene	U		0.00150	0.00910	.91	03/07/2017 20:41	WG958370
2,6-Dinitrotoluene	U		0.000254	0.00910	.91	03/07/2017 20:41	WG958370
Fluoranthene	U		0.000282	0.000910	.91	03/07/2017 20:41	WG958370
Fluorene	U		0.000294	0.000910	.91	03/07/2017 20:41	WG958370
Hexachlorobenzene	U		0.000310	0.000910	.91	03/07/2017 20:41	WG958370
Hexachloro-1,3-butadiene	U		0.000299	0.00910	.91	03/07/2017 20:41	WG958370

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Hexachlorocyclopentadiene	U		0.00212	0.00910	.91	03/07/2017 20:41	WG958370
Hexachloroethane	U		0.000332	0.00910	.91	03/07/2017 20:41	WG958370
Indeno(1,2,3-cd)pyrene	U		0.000254	0.000910	.91	03/07/2017 20:41	WG958370
Isophorone	U		0.000248	0.00910	.91	03/07/2017 20:41	WG958370
2-Methylnaphthalene	U		0.000283	0.000910	.91	03/07/2017 20:41	WG958370
Naphthalene	U		0.000338	0.000910	.91	03/07/2017 20:41	WG958370
2-Nitroaniline	U		0.00173	0.00910	.91	03/07/2017 20:41	WG958370
3-Nitroaniline	U		0.00173	0.00910	.91	03/07/2017 20:41	WG958370
4-Nitroaniline	U		0.00173	0.00910	.91	03/07/2017 20:41	WG958370
Nitrobenzene	U		0.000334	0.00910	.91	03/07/2017 20:41	WG958370
n-Nitrosodiphenylamine	U		0.000277	0.00910	.91	03/07/2017 20:41	WG958370
n-Nitrosodi-n-propylamine	U		0.000367	0.00910	.91	03/07/2017 20:41	WG958370
Phenanthrene	U		0.000333	0.000910	.91	03/07/2017 20:41	WG958370
Benzylbutyl phthalate	U		0.000250	0.00273	.91	03/07/2017 20:41	WG958370
Bis(2-ethylhexyl)phthalate	U		0.000645	0.00273	.91	03/07/2017 20:41	WG958370
Diethyl phthalate	U		0.000257	0.00273	.91	03/07/2017 20:41	WG958370
Dimethyl phthalate	U		0.000258	0.00273	.91	03/07/2017 20:41	WG958370
Di-n-octyl phthalate	U		0.000253	0.00273	.91	03/07/2017 20:41	WG958370
Pyrene	U		0.000300	0.000910	.91	03/07/2017 20:41	WG958370
1,2,4,5-Tetrachlorobenzene	U		0.00195	0.00910	.91	03/07/2017 20:41	WG958370
1,2,4-Trichlorobenzene	U		0.000323	0.00910	.91	03/07/2017 20:41	WG958370
2-Chlorophenol	U		0.000258	0.00910	.91	03/07/2017 20:41	WG958370
2,4-Dichlorophenol	U		0.000258	0.00910	.91	03/07/2017 20:41	WG958370
2,4-Dimethylphenol	U		0.000568	0.00910	.91	03/07/2017 20:41	WG958370
2,4-Dinitrophenol	U	J3	0.00296	0.00910	.91	03/07/2017 20:41	WG958370
4-Nitrophenol	U		0.00183	0.00910	.91	03/07/2017 20:41	WG958370
Pentachlorophenol	U		0.000285	0.00910	.91	03/07/2017 20:41	WG958370
Phenol	0.00269	J	0.000304	0.00910	.91	03/07/2017 20:41	WG958370
2,3,4,6-Tetrachlorophenol	U		0.00182	0.00910	.91	03/07/2017 20:41	WG958370
2,4,5-Trichlorophenol	U		0.000215	0.00910	.91	03/07/2017 20:41	WG958370
2,4,6-Trichlorophenol	U		0.000270	0.00910	.91	03/07/2017 20:41	WG958370
(S) 2-Fluorophenol	*18.7*			*10.0-120*		*03/07/2017 20:41*	WG958370
(S) Phenol-d5	*17.6*			*10.0-120*		*03/07/2017 20:41*	WG958370
(S) Nitrobenzene-d5	*39.8*			*10.0-126*		*03/07/2017 20:41*	WG958370
(S) 2-Fluorobiphenyl	*52.5*			*22.0-127*		*03/07/2017 20:41*	WG958370
(S) 2,4,6-Tribromophenol	*68.0*			*10.0-153*		*03/07/2017 20:41*	WG958370
(S) p-Terphenyl-d14	*93.7*			*29.0-141*		*03/07/2017 20:41*	WG958370

Sample Narrative:

8270C L893760-07 WG958370: Dilution due to sample volume

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	1	03/06/2017 13:15	WG957868

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.163		0.00650	0.0100	1	03/08/2017 09:10	WG958829
Barium	1.04		0.00170	0.00500	1	03/08/2017 09:10	WG958829
Cadmium	0.00249		0.000700	0.00200	1	03/08/2017 09:10	WG958829
Chromium	0.0514		0.00140	0.0100	1	03/08/2017 09:10	WG958829
Lead	0.0476		0.00190	0.00500	1	03/08/2017 09:10	WG958829
Selenium	0.0165		0.00740	0.0100	1	03/08/2017 09:10	WG958829
Silver	U		0.00280	0.00500	1	03/08/2017 09:10	WG958829

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	03/06/2017 16:41	WG957974
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*		*03/06/2017 16:41*	WG957974

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0100	0.0500	1	03/07/2017 13:35	WG958568
Benzene	U		0.000331	0.00100	1	03/07/2017 13:35	WG958568
Bromodichloromethane	U		0.000380	0.00100	1	03/07/2017 13:35	WG958568
Bromoform	U		0.000469	0.00100	1	03/07/2017 13:35	WG958568
Bromomethane	U		0.000866	0.00500	1	03/07/2017 13:35	WG958568
Carbon disulfide	0.00115		0.000275	0.00100	1	03/07/2017 13:35	WG958568
Carbon tetrachloride	U		0.000379	0.00100	1	03/07/2017 13:35	WG958568
Chlorobenzene	U		0.000348	0.00100	1	03/07/2017 13:35	WG958568
Chlorodibromomethane	U		0.000327	0.00100	1	03/07/2017 13:35	WG958568
Chloroethane	U		0.000453	0.00500	1	03/07/2017 13:35	WG958568
Chloroform	U		0.000324	0.00500	1	03/07/2017 13:35	WG958568
Chloromethane	U		0.000276	0.00250	1	03/07/2017 13:35	WG958568
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500	1	03/07/2017 13:35	WG958568
1,2-Dichlorobenzene	U		0.000349	0.00100	1	03/07/2017 13:35	WG958568
1,3-Dichlorobenzene	U		0.000220	0.00100	1	03/07/2017 13:35	WG958568
1,4-Dichlorobenzene	U		0.000274	0.00100	1	03/07/2017 13:35	WG958568
Dichlorodifluoromethane	U		0.000551	0.00500	1	03/07/2017 13:35	WG958568
1,1-Dichloroethane	U		0.000259	0.00100	1	03/07/2017 13:35	WG958568
1,2-Dichloroethane	U		0.000361	0.00100	1	03/07/2017 13:35	WG958568
1,1-Dichloroethene	U		0.000398	0.00100	1	03/07/2017 13:35	WG958568
cis-1,2-Dichloroethene	U		0.000260	0.00100	1	03/07/2017 13:35	WG958568
trans-1,2-Dichloroethene	U		0.000396	0.00100	1	03/07/2017 13:35	WG958568
1,2-Dichloropropane	U		0.000306	0.00100	1	03/07/2017 13:35	WG958568
cis-1,3-Dichloropropene	U		0.000418	0.00100	1	03/07/2017 13:35	WG958568
trans-1,3-Dichloropropene	U		0.000419	0.00100	1	03/07/2017 13:35	WG958568
Ethylbenzene	U		0.000384	0.00100	1	03/07/2017 13:35	WG958568
Hexachloro-1,3-butadiene	U		0.000256	0.00100	1	03/07/2017 13:35	WG958568
Isobutanol	U		0.0390	0.100	1	03/08/2017 07:54	WG958568
2-Butanone (MEK)	U		0.00393	0.0100	1	03/07/2017 13:35	WG958568
Methylene Chloride	U		0.00100	0.00500	1	03/07/2017 13:35	WG958568
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	1	03/07/2017 13:35	WG958568
Methyl tert-butyl ether	U		0.000367	0.00100	1	03/07/2017 13:35	WG958568

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/07/2017 13:35	WG958568
Styrene	U		0.000307	0.00100	1	03/07/2017 13:35	WG958568
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100	1	03/07/2017 13:35	WG958568
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	1	03/07/2017 13:35	WG958568
Tetrachloroethene	U		0.000372	0.00100	1	03/07/2017 13:35	WG958568
Toluene	U		0.000412	0.00100	1	03/07/2017 13:35	WG958568
1,2,4-Trichlorobenzene	U		0.000355	0.00100	1	03/07/2017 13:35	WG958568
1,1,1-Trichloroethane	U		0.000319	0.00100	1	03/07/2017 13:35	WG958568
1,1,2-Trichloroethane	U		0.000383	0.00100	1	03/07/2017 13:35	WG958568
Trichloroethene	U		0.000398	0.00100	1	03/07/2017 13:35	WG958568
Trichlorofluoromethane	U		0.00120	0.00500	1	03/07/2017 13:35	WG958568
Vinyl chloride	0.000611	J	0.000259	0.00100	1	03/07/2017 13:35	WG958568
Xylenes, Total	U		0.00106	0.00300	1	03/07/2017 13:35	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/08/2017 07:54*	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/07/2017 13:35*	WG958568
(S) Dibromofluoromethane	*88.0*			*76.0-123*		*03/07/2017 13:35*	WG958568
(S) Dibromofluoromethane	*98.1*			*76.0-123*		*03/08/2017 07:54*	WG958568
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*03/07/2017 13:35*	WG958568
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*03/08/2017 07:54*	WG958568

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	0.789		0.0222	0.100	1	03/09/2017 01:21	WG958694
C28-C40 Oil Range	0.253		0.0118	0.100	1	03/09/2017 01:21	WG958694
(S) o-Terphenyl	*136*			*52.0-156*		*03/09/2017 01:21*	WG958694

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000288	0.000910	.91	03/07/2017 21:04	WG958370
Acenaphthylene	U		0.000281	0.000910	.91	03/07/2017 21:04	WG958370
Aniline	U		0.00221	0.00910	.91	03/07/2017 21:04	WG958370
Anthracene	U		0.000265	0.000910	.91	03/07/2017 21:04	WG958370
Benzo(a)anthracene	U		0.0000887	0.000910	.91	03/07/2017 21:04	WG958370
Benzo(b)fluoranthene	U		0.0000815	0.000910	.91	03/07/2017 21:04	WG958370
Benzo(k)fluoranthene	U		0.000323	0.000910	.91	03/07/2017 21:04	WG958370
Benzo(a)pyrene	U		0.000309	0.000910	.91	03/07/2017 21:04	WG958370
biphenyl	U		0.000296	0.00910	.91	03/07/2017 21:04	WG958370
Bis(2-chloroethyl)ether	U		0.00147	0.00910	.91	03/07/2017 21:04	WG958370
Bis(2-chloroisopropyl)ether	U		0.000405	0.00910	.91	03/07/2017 21:04	WG958370
2-Chloronaphthalene	U		0.000300	0.000910	.91	03/07/2017 21:04	WG958370
4-Chloroaniline	U		0.000348	0.00910	.91	03/07/2017 21:04	WG958370
Chrysene	U		0.000302	0.000910	.91	03/07/2017 21:04	WG958370
Dibenz(a,h)anthracene	U		0.000254	0.000910	.91	03/07/2017 21:04	WG958370
Dibenzofuran	U		0.000308	0.00910	.91	03/07/2017 21:04	WG958370
Dinoseb	U		0.0163	0.0455	.91	03/09/2017 19:26	WG958370
3,3-Dichlorobenzidine	U	J4	0.00184	0.00910	.91	03/07/2017 21:04	WG958370
1,3-Dinitrobenzene	U		0.000327	0.00910	.91	03/09/2017 19:26	WG958370
2,4-Dinitrotoluene	U		0.00150	0.00910	.91	03/07/2017 21:04	WG958370
2,6-Dinitrotoluene	U		0.000254	0.00910	.91	03/07/2017 21:04	WG958370
Fluoranthene	U		0.000282	0.000910	.91	03/07/2017 21:04	WG958370
Fluorene	U		0.000294	0.000910	.91	03/07/2017 21:04	WG958370
Hexachlorobenzene	U		0.000310	0.000910	.91	03/07/2017 21:04	WG958370
Hexachloro-1,3-butadiene	U		0.000299	0.00910	.91	03/07/2017 21:04	WG958370

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Hexachlorocyclopentadiene	U		0.00212	0.00910	.91	03/07/2017 21:04	WG958370
Hexachloroethane	U		0.000332	0.00910	.91	03/07/2017 21:04	WG958370
Indeno(1,2,3-cd)pyrene	U		0.000254	0.000910	.91	03/07/2017 21:04	WG958370
Isophorone	U		0.000248	0.00910	.91	03/07/2017 21:04	WG958370
2-Methylnaphthalene	U		0.000283	0.000910	.91	03/07/2017 21:04	WG958370
Naphthalene	U		0.000338	0.000910	.91	03/07/2017 21:04	WG958370
2-Nitroaniline	U		0.00173	0.00910	.91	03/07/2017 21:04	WG958370
3-Nitroaniline	U		0.00173	0.00910	.91	03/07/2017 21:04	WG958370
4-Nitroaniline	U		0.00173	0.00910	.91	03/07/2017 21:04	WG958370
Nitrobenzene	U		0.000334	0.00910	.91	03/07/2017 21:04	WG958370
n-Nitrosodiphenylamine	U		0.000277	0.00910	.91	03/07/2017 21:04	WG958370
n-Nitrosodi-n-propylamine	U		0.000367	0.00910	.91	03/07/2017 21:04	WG958370
Phenanthrene	U		0.000333	0.000910	.91	03/07/2017 21:04	WG958370
Benzylbutyl phthalate	U		0.000250	0.00273	.91	03/07/2017 21:04	WG958370
Bis(2-ethylhexyl)phthalate	U		0.000645	0.00273	.91	03/07/2017 21:04	WG958370
Diethyl phthalate	U		0.000257	0.00273	.91	03/07/2017 21:04	WG958370
Dimethyl phthalate	U		0.000258	0.00273	.91	03/07/2017 21:04	WG958370
Di-n-octyl phthalate	U		0.000253	0.00273	.91	03/07/2017 21:04	WG958370
Pyrene	U		0.000300	0.000910	.91	03/07/2017 21:04	WG958370
1,2,4,5-Tetrachlorobenzene	U		0.00195	0.00910	.91	03/07/2017 21:04	WG958370
1,2,4-Trichlorobenzene	U		0.000323	0.00910	.91	03/07/2017 21:04	WG958370
2-Chlorophenol	U		0.000258	0.00910	.91	03/07/2017 21:04	WG958370
2,4-Dichlorophenol	U		0.000258	0.00910	.91	03/07/2017 21:04	WG958370
2,4-Dimethylphenol	U		0.000568	0.00910	.91	03/07/2017 21:04	WG958370
2,4-Dinitrophenol	U	J3	0.00296	0.00910	.91	03/07/2017 21:04	WG958370
4-Nitrophenol	U		0.00183	0.00910	.91	03/07/2017 21:04	WG958370
Pentachlorophenol	U		0.000285	0.00910	.91	03/07/2017 21:04	WG958370
Phenol	0.00106	J	0.000304	0.00910	.91	03/07/2017 21:04	WG958370
2,3,4,6-Tetrachlorophenol	U		0.00182	0.00910	.91	03/07/2017 21:04	WG958370
2,4,5-Trichlorophenol	U		0.000215	0.00910	.91	03/07/2017 21:04	WG958370
2,4,6-Trichlorophenol	U		0.000270	0.00910	.91	03/07/2017 21:04	WG958370
(S) 2-Fluorophenol	*18.7*			*10.0-120*		*03/07/2017 21:04*	WG958370
(S) Phenol-d5	*19.6*			*10.0-120*		*03/07/2017 21:04*	WG958370
(S) Nitrobenzene-d5	*30.2*			*10.0-126*		*03/07/2017 21:04*	WG958370
(S) 2-Fluorobiphenyl	*39.1*			*22.0-127*		*03/07/2017 21:04*	WG958370
(S) 2,4,6-Tribromophenol	*68.0*			*10.0-153*		*03/07/2017 21:04*	WG958370
(S) p-Terphenyl-d14	*92.3*			*29.0-141*		*03/07/2017 21:04*	WG958370

Sample Narrative:

8270C L893760-08 WG958370: Dilution due to sample volume

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	1	03/06/2017 13:17	WG957868

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0260		0.00650	0.0100	1	03/08/2017 09:13	WG958829
Barium	1.85		0.00170	0.00500	1	03/08/2017 09:13	WG958829
Cadmium	0.00112	J	0.000700	0.00200	1	03/08/2017 09:13	WG958829
Chromium	0.0226		0.00140	0.0100	1	03/08/2017 09:13	WG958829
Lead	0.0276		0.00190	0.00500	1	03/08/2017 09:13	WG958829
Selenium	U		0.00740	0.0100	1	03/08/2017 09:13	WG958829
Silver	U		0.00280	0.00500	1	03/08/2017 09:13	WG958829

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	03/06/2017 17:05	WG957974
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*		*03/06/2017 17:05*	WG957974

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0100	0.0500	1	03/07/2017 13:48	WG958568
Benzene	U		0.000331	0.00100	1	03/07/2017 13:48	WG958568
Bromodichloromethane	U		0.000380	0.00100	1	03/07/2017 13:48	WG958568
Bromoform	U		0.000469	0.00100	1	03/07/2017 13:48	WG958568
Bromomethane	U		0.000866	0.00500	1	03/07/2017 13:48	WG958568
Carbon disulfide	U		0.000275	0.00100	1	03/07/2017 13:48	WG958568
Carbon tetrachloride	U		0.000379	0.00100	1	03/07/2017 13:48	WG958568
Chlorobenzene	U		0.000348	0.00100	1	03/07/2017 13:48	WG958568
Chlorodibromomethane	U		0.000327	0.00100	1	03/07/2017 13:48	WG958568
Chloroethane	U		0.000453	0.00500	1	03/07/2017 13:48	WG958568
Chloroform	U		0.000324	0.00500	1	03/07/2017 13:48	WG958568
Chloromethane	U		0.000276	0.00250	1	03/07/2017 13:48	WG958568
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500	1	03/07/2017 13:48	WG958568
1,2-Dichlorobenzene	U		0.000349	0.00100	1	03/07/2017 13:48	WG958568
1,3-Dichlorobenzene	U		0.000220	0.00100	1	03/07/2017 13:48	WG958568
1,4-Dichlorobenzene	U		0.000274	0.00100	1	03/07/2017 13:48	WG958568
Dichlorodifluoromethane	U		0.000551	0.00500	1	03/07/2017 13:48	WG958568
1,1-Dichloroethane	U		0.000259	0.00100	1	03/07/2017 13:48	WG958568
1,2-Dichloroethane	U		0.000361	0.00100	1	03/07/2017 13:48	WG958568
1,1-Dichloroethene	U		0.000398	0.00100	1	03/07/2017 13:48	WG958568
cis-1,2-Dichloroethene	U		0.000260	0.00100	1	03/07/2017 13:48	WG958568
trans-1,2-Dichloroethene	U		0.000396	0.00100	1	03/07/2017 13:48	WG958568
1,2-Dichloropropane	U		0.000306	0.00100	1	03/07/2017 13:48	WG958568
cis-1,3-Dichloropropene	U		0.000418	0.00100	1	03/07/2017 13:48	WG958568
trans-1,3-Dichloropropene	U		0.000419	0.00100	1	03/07/2017 13:48	WG958568
Ethylbenzene	U		0.000384	0.00100	1	03/07/2017 13:48	WG958568
Hexachloro-1,3-butadiene	U		0.000256	0.00100	1	03/07/2017 13:48	WG958568
Isobutanol	U		0.0390	0.100	1	03/08/2017 08:09	WG958568
2-Butanone (MEK)	U		0.00393	0.0100	1	03/07/2017 13:48	WG958568
Methylene Chloride	U		0.00100	0.00500	1	03/07/2017 13:48	WG958568
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	1	03/07/2017 13:48	WG958568
Methyl tert-butyl ether	U		0.000367	0.00100	1	03/07/2017 13:48	WG958568

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/07/2017 13:48	WG958568
Styrene	U		0.000307	0.00100	1	03/07/2017 13:48	WG958568
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100	1	03/07/2017 13:48	WG958568
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	1	03/07/2017 13:48	WG958568
Tetrachloroethene	U		0.000372	0.00100	1	03/07/2017 13:48	WG958568
Toluene	U		0.000412	0.00100	1	03/07/2017 13:48	WG958568
1,2,4-Trichlorobenzene	U		0.000355	0.00100	1	03/07/2017 13:48	WG958568
1,1,1-Trichloroethane	U		0.000319	0.00100	1	03/07/2017 13:48	WG958568
1,1,2-Trichloroethane	U		0.000383	0.00100	1	03/07/2017 13:48	WG958568
Trichloroethene	U		0.000398	0.00100	1	03/07/2017 13:48	WG958568
Trichlorofluoromethane	U		0.00120	0.00500	1	03/07/2017 13:48	WG958568
Vinyl chloride	0.000608	J	0.000259	0.00100	1	03/07/2017 13:48	WG958568
Xylenes, Total	U		0.00106	0.00300	1	03/07/2017 13:48	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/07/2017 13:48*	WG958568
(S) Toluene-d8	*103*			*80.0-120*		*03/08/2017 08:09*	WG958568
(S) Dibromofluoromethane	*98.1*			*76.0-123*		*03/08/2017 08:09*	WG958568
(S) Dibromofluoromethane	*92.0*			*76.0-123*		*03/07/2017 13:48*	WG958568
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*03/08/2017 08:09*	WG958568
(S) 4-Bromofluorobenzene	*102*			*80.0-120*		*03/07/2017 13:48*	WG958568

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	0.169		0.0222	0.100	1	03/09/2017 01:37	WG958694
C28-C40 Oil Range	0.139		0.0118	0.100	1	03/09/2017 01:37	WG958694
(S) o-Terphenyl	*111*			*52.0-156*		*03/09/2017 01:37*	WG958694

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000301	0.000952	.952	03/09/2017 11:33	WG958963
Acenaphthylene	U		0.000294	0.000952	.952	03/09/2017 11:33	WG958963
Aniline	U		0.00231	0.00952	.952	03/09/2017 11:33	WG958963
Anthracene	U		0.000277	0.000952	.952	03/09/2017 11:33	WG958963
Benzo(a)anthracene	U		0.0000928	0.000952	.952	03/09/2017 11:33	WG958963
Benzo(b)fluoranthene	U		0.0000853	0.000952	.952	03/09/2017 11:33	WG958963
Benzo(k)fluoranthene	U		0.000338	0.000952	.952	03/09/2017 11:33	WG958963
Benzo(a)pyrene	U		0.000324	0.000952	.952	03/09/2017 11:33	WG958963
biphenyl	U		0.000309	0.00952	.952	03/09/2017 11:33	WG958963
Bis(2-chloroethyl)ether	U		0.00154	0.00952	.952	03/09/2017 11:33	WG958963
Bis(2-chloroisopropyl)ether	U		0.000424	0.00952	.952	03/09/2017 11:33	WG958963
2-Chloronaphthalene	U		0.000314	0.000952	.952	03/09/2017 11:33	WG958963
4-Chloroaniline	U		0.000364	0.00952	.952	03/09/2017 11:33	WG958963
Chrysene	U		0.000316	0.000952	.952	03/09/2017 11:33	WG958963
Dibenz(a,h)anthracene	U		0.000266	0.000952	.952	03/09/2017 11:33	WG958963
Dibenzofuran	U		0.000322	0.00952	.952	03/09/2017 11:33	WG958963
Dinoseb	U		0.0170	0.0476	.952	03/09/2017 20:00	WG958963
3,3-Dichlorobenzidine	U		0.00192	0.00952	.952	03/09/2017 11:33	WG958963
1,3-Dinitrobenzene	U		0.000342	0.00952	.952	03/09/2017 20:00	WG958963
2,4-Dinitrotoluene	U		0.00157	0.00952	.952	03/09/2017 11:33	WG958963
2,6-Dinitrotoluene	U		0.000266	0.00952	.952	03/09/2017 11:33	WG958963
Fluoranthene	U		0.000295	0.000952	.952	03/09/2017 11:33	WG958963
Fluorene	U		0.000307	0.000952	.952	03/09/2017 11:33	WG958963
Hexachlorobenzene	U		0.000325	0.000952	.952	03/09/2017 11:33	WG958963
Hexachloro-1,3-butadiene	U		0.000313	0.00952	.952	03/09/2017 11:33	WG958963

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Hexachlorocyclopentadiene	U		0.00222	0.00952	.952	03/09/2017 11:33	WG958963
Hexachloroethane	U		0.000347	0.00952	.952	03/09/2017 11:33	WG958963
Indeno(1,2,3-cd)pyrene	U		0.000266	0.000952	.952	03/09/2017 11:33	WG958963
Isophorone	U		0.000259	0.00952	.952	03/09/2017 11:33	WG958963
2-Methylnaphthalene	U		0.000296	0.000952	.952	03/09/2017 11:33	WG958963
Naphthalene	U		0.000354	0.000952	.952	03/09/2017 11:33	WG958963
2-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 11:33	WG958963
3-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 11:33	WG958963
4-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 11:33	WG958963
Nitrobenzene	U		0.000349	0.00952	.952	03/09/2017 11:33	WG958963
n-Nitrosodiphenylamine	U		0.000289	0.00952	.952	03/09/2017 11:33	WG958963
n-Nitrosodi-n-propylamine	U		0.000384	0.00952	.952	03/09/2017 11:33	WG958963
Phenanthrene	U		0.000348	0.000952	.952	03/09/2017 11:33	WG958963
Benzylbutyl phthalate	U		0.000262	0.00286	.952	03/09/2017 11:33	WG958963
Bis(2-ethylhexyl)phthalate	U		0.000675	0.00286	.952	03/09/2017 11:33	WG958963
Diethyl phthalate	U		0.000268	0.00286	.952	03/09/2017 11:33	WG958963
Dimethyl phthalate	U		0.000269	0.00286	.952	03/09/2017 11:33	WG958963
Di-n-octyl phthalate	U		0.000265	0.00286	.952	03/09/2017 11:33	WG958963
Pyrene	U		0.000314	0.000952	.952	03/09/2017 11:33	WG958963
1,2,4,5-Tetrachlorobenzene	U		0.00204	0.00952	.952	03/09/2017 11:33	WG958963
1,2,4-Trichlorobenzene	U		0.000338	0.00952	.952	03/09/2017 11:33	WG958963
2-Chlorophenol	U		0.000269	0.00952	.952	03/09/2017 11:33	WG958963
2,4-Dichlorophenol	U		0.000270	0.00952	.952	03/09/2017 11:33	WG958963
2,4-Dimethylphenol	U		0.000594	0.00952	.952	03/09/2017 11:33	WG958963
2,4-Dinitrophenol	U		0.00309	0.00952	.952	03/09/2017 11:33	WG958963
4-Nitrophenol	U		0.00191	0.00952	.952	03/09/2017 11:33	WG958963
Pentachlorophenol	U		0.000298	0.00952	.952	03/09/2017 11:33	WG958963
Phenol	0.00514	J	0.000318	0.00952	.952	03/09/2017 11:33	WG958963
2,3,4,6-Tetrachlorophenol	U		0.00190	0.00952	.952	03/09/2017 11:33	WG958963
2,4,5-Trichlorophenol	U		0.000225	0.00952	.952	03/09/2017 11:33	WG958963
2,4,6-Trichlorophenol	U		0.000283	0.00952	.952	03/09/2017 11:33	WG958963
(S) 2-Fluorophenol	*27.0*			*10.0-120*		*03/09/2017 11:33*	WG958963
(S) Phenol-d5	*17.4*			*10.0-120*		*03/09/2017 11:33*	WG958963
(S) Nitrobenzene-d5	*85.6*			*10.0-126*		*03/09/2017 11:33*	WG958963
(S) 2-Fluorobiphenyl	*77.9*			*22.0-127*		*03/09/2017 11:33*	WG958963
(S) 2,4,6-Tribromophenol	*72.6*			*10.0-153*		*03/09/2017 11:33*	WG958963
(S) p-Terphenyl-d14	*93.2*			*29.0-141*		*03/09/2017 11:33*	WG958963

Sample Narrative:

8270C L893760-09 WG958963: Dilution due to sample volume

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	1	03/06/2017 13:19	WG957868

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0675		0.00650	0.0100	1	03/08/2017 09:22	WG958829
Barium	1.85		0.00170	0.00500	1	03/08/2017 09:22	WG958829
Cadmium	0.00310		0.000700	0.00200	1	03/08/2017 09:22	WG958829
Chromium	0.105		0.00140	0.0100	1	03/08/2017 09:22	WG958829
Lead	0.0934		0.00190	0.00500	1	03/08/2017 09:22	WG958829
Selenium	U		0.00740	0.0100	1	03/08/2017 09:22	WG958829
Silver	U		0.00280	0.00500	1	03/08/2017 09:22	WG958829

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	03/06/2017 17:29	WG957974
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*		*03/06/2017 17:29*	WG957974

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0100	0.0500	1	03/07/2017 14:01	WG958568
Benzene	U		0.000331	0.00100	1	03/07/2017 14:01	WG958568
Bromodichloromethane	U		0.000380	0.00100	1	03/07/2017 14:01	WG958568
Bromoform	U		0.000469	0.00100	1	03/07/2017 14:01	WG958568
Bromomethane	U		0.000866	0.00500	1	03/07/2017 14:01	WG958568
Carbon disulfide	U		0.000275	0.00100	1	03/07/2017 14:01	WG958568
Carbon tetrachloride	U		0.000379	0.00100	1	03/07/2017 14:01	WG958568
Chlorobenzene	U		0.000348	0.00100	1	03/07/2017 14:01	WG958568
Chlorodibromomethane	U		0.000327	0.00100	1	03/07/2017 14:01	WG958568
Chloroethane	U		0.000453	0.00500	1	03/07/2017 14:01	WG958568
Chloroform	U		0.000324	0.00500	1	03/07/2017 14:01	WG958568
Chloromethane	U		0.000276	0.00250	1	03/07/2017 14:01	WG958568
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500	1	03/07/2017 14:01	WG958568
1,2-Dichlorobenzene	U		0.000349	0.00100	1	03/07/2017 14:01	WG958568
1,3-Dichlorobenzene	U		0.000220	0.00100	1	03/07/2017 14:01	WG958568
1,4-Dichlorobenzene	U		0.000274	0.00100	1	03/07/2017 14:01	WG958568
Dichlorodifluoromethane	U		0.000551	0.00500	1	03/07/2017 14:01	WG958568
1,1-Dichloroethane	U		0.000259	0.00100	1	03/07/2017 14:01	WG958568
1,2-Dichloroethane	U		0.000361	0.00100	1	03/07/2017 14:01	WG958568
1,1-Dichloroethene	U		0.000398	0.00100	1	03/07/2017 14:01	WG958568
cis-1,2-Dichloroethene	U		0.000260	0.00100	1	03/07/2017 14:01	WG958568
trans-1,2-Dichloroethene	U		0.000396	0.00100	1	03/07/2017 14:01	WG958568
1,2-Dichloropropane	U		0.000306	0.00100	1	03/07/2017 14:01	WG958568
cis-1,3-Dichloropropene	U		0.000418	0.00100	1	03/07/2017 14:01	WG958568
trans-1,3-Dichloropropene	U		0.000419	0.00100	1	03/07/2017 14:01	WG958568
Ethylbenzene	U		0.000384	0.00100	1	03/07/2017 14:01	WG958568
Hexachloro-1,3-butadiene	U		0.000256	0.00100	1	03/07/2017 14:01	WG958568
Isobutanol	U		0.0390	0.100	1	03/08/2017 08:25	WG958568
2-Butanone (MEK)	U		0.00393	0.0100	1	03/07/2017 14:01	WG958568
Methylene Chloride	U		0.00100	0.00500	1	03/07/2017 14:01	WG958568
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	1	03/07/2017 14:01	WG958568
Methyl tert-butyl ether	U		0.000367	0.00100	1	03/07/2017 14:01	WG958568

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/07/2017 14:01	WG958568
Styrene	U		0.000307	0.00100	1	03/07/2017 14:01	WG958568
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100	1	03/07/2017 14:01	WG958568
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	1	03/07/2017 14:01	WG958568
Tetrachloroethene	U		0.000372	0.00100	1	03/07/2017 14:01	WG958568
Toluene	U		0.000412	0.00100	1	03/07/2017 14:01	WG958568
1,2,4-Trichlorobenzene	U		0.000355	0.00100	1	03/07/2017 14:01	WG958568
1,1,1-Trichloroethane	U		0.000319	0.00100	1	03/07/2017 14:01	WG958568
1,1,2-Trichloroethane	U		0.000383	0.00100	1	03/07/2017 14:01	WG958568
Trichloroethene	U		0.000398	0.00100	1	03/07/2017 14:01	WG958568
Trichlorofluoromethane	U		0.00120	0.00500	1	03/07/2017 14:01	WG958568
Vinyl chloride	U		0.000259	0.00100	1	03/07/2017 14:01	WG958568
Xylenes, Total	U		0.00106	0.00300	1	03/07/2017 14:01	WG958568
(S) Toluene-d8	*103*			*80.0-120*		*03/08/2017 08:25*	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/07/2017 14:01*	WG958568
(S) Dibromofluoromethane	*90.4*			*76.0-123*		*03/07/2017 14:01*	WG958568
(S) Dibromofluoromethane	*98.7*			*76.0-123*		*03/08/2017 08:25*	WG958568
(S) 4-Bromofluorobenzene	*101*			*80.0-120*		*03/07/2017 14:01*	WG958568
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*03/08/2017 08:25*	WG958568

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	0.0250	J	0.0222	0.100	1	03/09/2017 01:53	WG958694
C28-C40 Oil Range	0.0320	J	0.0118	0.100	1	03/09/2017 01:53	WG958694
(S) o-Terphenyl	*110*			*52.0-156*		*03/09/2017 01:53*	WG958694

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000301	0.000952	.952	03/09/2017 11:56	WG958963
Acenaphthylene	U		0.000294	0.000952	.952	03/09/2017 11:56	WG958963
Aniline	U		0.00231	0.00952	.952	03/09/2017 11:56	WG958963
Anthracene	U		0.000277	0.000952	.952	03/09/2017 11:56	WG958963
Benzo(a)anthracene	U		0.0000928	0.000952	.952	03/09/2017 11:56	WG958963
Benzo(b)fluoranthene	U		0.0000853	0.000952	.952	03/09/2017 11:56	WG958963
Benzo(k)fluoranthene	U		0.000338	0.000952	.952	03/09/2017 11:56	WG958963
Benzo(a)pyrene	U		0.000324	0.000952	.952	03/09/2017 11:56	WG958963
biphenyl	U		0.000309	0.00952	.952	03/09/2017 11:56	WG958963
Bis(2-chloroethyl)ether	U		0.00154	0.00952	.952	03/09/2017 11:56	WG958963
Bis(2-chloroisopropyl)ether	U		0.000424	0.00952	.952	03/09/2017 11:56	WG958963
2-Chloronaphthalene	U		0.000314	0.000952	.952	03/09/2017 11:56	WG958963
4-Chloroaniline	U		0.000364	0.00952	.952	03/09/2017 11:56	WG958963
Chrysene	U		0.000316	0.000952	.952	03/09/2017 11:56	WG958963
Dibenz(a,h)anthracene	U		0.000266	0.000952	.952	03/09/2017 11:56	WG958963
Dibenzofuran	U		0.000322	0.00952	.952	03/09/2017 11:56	WG958963
Dinoseb	U		0.0170	0.0476	.952	03/09/2017 20:17	WG958963
3,3-Dichlorobenzidine	U		0.00192	0.00952	.952	03/09/2017 11:56	WG958963
1,3-Dinitrobenzene	U		0.000342	0.00952	.952	03/09/2017 20:17	WG958963
2,4-Dinitrotoluene	U		0.00157	0.00952	.952	03/09/2017 11:56	WG958963
2,6-Dinitrotoluene	U		0.000266	0.00952	.952	03/09/2017 11:56	WG958963
Fluoranthene	U		0.000295	0.000952	.952	03/09/2017 11:56	WG958963
Fluorene	U		0.000307	0.000952	.952	03/09/2017 11:56	WG958963
Hexachlorobenzene	U		0.000325	0.000952	.952	03/09/2017 11:56	WG958963
Hexachloro-1,3-butadiene	U		0.000313	0.00952	.952	03/09/2017 11:56	WG958963

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Hexachlorocyclopentadiene	U		0.00222	0.00952	.952	03/09/2017 11:56	WG958963
Hexachloroethane	U		0.000347	0.00952	.952	03/09/2017 11:56	WG958963
Indeno(1,2,3-cd)pyrene	U		0.000266	0.000952	.952	03/09/2017 11:56	WG958963
Isophorone	U		0.000259	0.00952	.952	03/09/2017 11:56	WG958963
2-Methylnaphthalene	U		0.000296	0.000952	.952	03/09/2017 11:56	WG958963
Naphthalene	U		0.000354	0.000952	.952	03/09/2017 11:56	WG958963
2-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 11:56	WG958963
3-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 11:56	WG958963
4-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 11:56	WG958963
Nitrobenzene	U		0.000349	0.00952	.952	03/09/2017 11:56	WG958963
n-Nitrosodiphenylamine	U		0.000289	0.00952	.952	03/09/2017 11:56	WG958963
n-Nitrosodi-n-propylamine	U		0.000384	0.00952	.952	03/09/2017 11:56	WG958963
Phenanthrene	U		0.000348	0.000952	.952	03/09/2017 11:56	WG958963
Benzylbutyl phthalate	U		0.000262	0.00286	.952	03/09/2017 11:56	WG958963
Bis(2-ethylhexyl)phthalate	U		0.000675	0.00286	.952	03/09/2017 11:56	WG958963
Diethyl phthalate	U		0.000268	0.00286	.952	03/09/2017 11:56	WG958963
Dimethyl phthalate	U		0.000269	0.00286	.952	03/09/2017 11:56	WG958963
Di-n-octyl phthalate	U		0.000265	0.00286	.952	03/09/2017 11:56	WG958963
Pyrene	U		0.000314	0.000952	.952	03/09/2017 11:56	WG958963
1,2,4,5-Tetrachlorobenzene	U		0.00204	0.00952	.952	03/09/2017 11:56	WG958963
1,2,4-Trichlorobenzene	U		0.000338	0.00952	.952	03/09/2017 11:56	WG958963
2-Chlorophenol	U		0.000269	0.00952	.952	03/09/2017 11:56	WG958963
2,4-Dichlorophenol	U		0.000270	0.00952	.952	03/09/2017 11:56	WG958963
2,4-Dimethylphenol	U		0.000594	0.00952	.952	03/09/2017 11:56	WG958963
2,4-Dinitrophenol	U		0.00309	0.00952	.952	03/09/2017 11:56	WG958963
4-Nitrophenol	U		0.00191	0.00952	.952	03/09/2017 11:56	WG958963
Pentachlorophenol	U		0.000298	0.00952	.952	03/09/2017 11:56	WG958963
Phenol	U		0.000318	0.00952	.952	03/09/2017 11:56	WG958963
2,3,4,6-Tetrachlorophenol	U		0.00190	0.00952	.952	03/09/2017 11:56	WG958963
2,4,5-Trichlorophenol	U		0.000225	0.00952	.952	03/09/2017 11:56	WG958963
2,4,6-Trichlorophenol	U		0.000283	0.00952	.952	03/09/2017 11:56	WG958963
(S) 2-Fluorophenol	*24.2*			*10.0-120*		*03/09/2017 11:56*	WG958963
(S) Phenol-d5	*14.0*			*10.0-120*		*03/09/2017 11:56*	WG958963
(S) Nitrobenzene-d5	*75.6*			*10.0-126*		*03/09/2017 11:56*	WG958963
(S) 2-Fluorobiphenyl	*73.5*			*22.0-127*		*03/09/2017 11:56*	WG958963
(S) 2,4,6-Tribromophenol	*53.6*			*10.0-153*		*03/09/2017 11:56*	WG958963
(S) p-Terphenyl-d14	*85.4*			*29.0-141*		*03/09/2017 11:56*	WG958963

Sample Narrative:

8270C L893760-10 WG958963: Dilution due to sample volume

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	1	03/06/2017 13:21	WG957868

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.0601		0.00650	0.0100	1	03/08/2017 09:25	WG958829
Barium	1.44		0.00170	0.00500	1	03/08/2017 09:25	WG958829
Cadmium	0.00236		0.000700	0.00200	1	03/08/2017 09:25	WG958829
Chromium	0.0938		0.00140	0.0100	1	03/08/2017 09:25	WG958829
Lead	0.0834		0.00190	0.00500	1	03/08/2017 09:25	WG958829
Selenium	U		0.00740	0.0100	1	03/08/2017 09:25	WG958829
Silver	U		0.00280	0.00500	1	03/08/2017 09:25	WG958829

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	03/06/2017 17:53	WG957974
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*		*03/06/2017 17:53*	WG957974

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0100	0.0500	1	03/07/2017 14:14	WG958568
Benzene	U		0.000331	0.00100	1	03/07/2017 14:14	WG958568
Bromodichloromethane	U		0.000380	0.00100	1	03/07/2017 14:14	WG958568
Bromoform	U		0.000469	0.00100	1	03/07/2017 14:14	WG958568
Bromomethane	U		0.000866	0.00500	1	03/07/2017 14:14	WG958568
Carbon disulfide	U		0.000275	0.00100	1	03/07/2017 14:14	WG958568
Carbon tetrachloride	U		0.000379	0.00100	1	03/07/2017 14:14	WG958568
Chlorobenzene	U		0.000348	0.00100	1	03/07/2017 14:14	WG958568
Chlorodibromomethane	U		0.000327	0.00100	1	03/07/2017 14:14	WG958568
Chloroethane	U		0.000453	0.00500	1	03/07/2017 14:14	WG958568
Chloroform	U		0.000324	0.00500	1	03/07/2017 14:14	WG958568
Chloromethane	U		0.000276	0.00250	1	03/07/2017 14:14	WG958568
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500	1	03/07/2017 14:14	WG958568
1,2-Dichlorobenzene	U		0.000349	0.00100	1	03/07/2017 14:14	WG958568
1,3-Dichlorobenzene	U		0.000220	0.00100	1	03/07/2017 14:14	WG958568
1,4-Dichlorobenzene	U		0.000274	0.00100	1	03/07/2017 14:14	WG958568
Dichlorodifluoromethane	U		0.000551	0.00500	1	03/07/2017 14:14	WG958568
1,1-Dichloroethane	U		0.000259	0.00100	1	03/07/2017 14:14	WG958568
1,2-Dichloroethane	U		0.000361	0.00100	1	03/07/2017 14:14	WG958568
1,1-Dichloroethene	U		0.000398	0.00100	1	03/07/2017 14:14	WG958568
cis-1,2-Dichloroethene	U		0.000260	0.00100	1	03/07/2017 14:14	WG958568
trans-1,2-Dichloroethene	U		0.000396	0.00100	1	03/07/2017 14:14	WG958568
1,2-Dichloropropane	U		0.000306	0.00100	1	03/07/2017 14:14	WG958568
cis-1,3-Dichloropropene	U		0.000418	0.00100	1	03/07/2017 14:14	WG958568
trans-1,3-Dichloropropene	U		0.000419	0.00100	1	03/07/2017 14:14	WG958568
Ethylbenzene	U		0.000384	0.00100	1	03/07/2017 14:14	WG958568
Hexachloro-1,3-butadiene	U		0.000256	0.00100	1	03/07/2017 14:14	WG958568
Isobutanol	U		0.0390	0.100	1	03/08/2017 08:41	WG958568
2-Butanone (MEK)	U		0.00393	0.0100	1	03/07/2017 14:14	WG958568
Methylene Chloride	U		0.00100	0.00500	1	03/07/2017 14:14	WG958568
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	1	03/07/2017 14:14	WG958568
Methyl tert-butyl ether	U		0.000367	0.00100	1	03/07/2017 14:14	WG958568

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/07/2017 14:14	WG958568
Styrene	U		0.000307	0.00100	1	03/07/2017 14:14	WG958568
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100	1	03/07/2017 14:14	WG958568
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	1	03/07/2017 14:14	WG958568
Tetrachloroethene	U		0.000372	0.00100	1	03/07/2017 14:14	WG958568
Toluene	U		0.000412	0.00100	1	03/07/2017 14:14	WG958568
1,2,4-Trichlorobenzene	U		0.000355	0.00100	1	03/07/2017 14:14	WG958568
1,1,1-Trichloroethane	U		0.000319	0.00100	1	03/07/2017 14:14	WG958568
1,1,2-Trichloroethane	U		0.000383	0.00100	1	03/07/2017 14:14	WG958568
Trichloroethene	U		0.000398	0.00100	1	03/07/2017 14:14	WG958568
Trichlorofluoromethane	U		0.00120	0.00500	1	03/07/2017 14:14	WG958568
Vinyl chloride	U		0.000259	0.00100	1	03/07/2017 14:14	WG958568
Xylenes, Total	U		0.00106	0.00300	1	03/07/2017 14:14	WG958568
(S) Toluene-d8	*103*			*80.0-120*		*03/08/2017 08:41*	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/07/2017 14:14*	WG958568
(S) Dibromofluoromethane	*89.4*			*76.0-123*		*03/07/2017 14:14*	WG958568
(S) Dibromofluoromethane	*97.5*			*76.0-123*		*03/08/2017 08:41*	WG958568
(S) 4-Bromofluorobenzene	*105*			*80.0-120*		*03/08/2017 08:41*	WG958568
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*03/07/2017 14:14*	WG958568

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	U		0.0222	0.100	1	03/09/2017 02:09	WG958694
C28-C40 Oil Range	0.0289	J	0.0118	0.100	1	03/09/2017 02:09	WG958694
(S) o-Terphenyl	*113*			*52.0-156*		*03/09/2017 02:09*	WG958694

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000301	0.000952	.952	03/09/2017 12:20	WG958963
Acenaphthylene	U		0.000294	0.000952	.952	03/09/2017 12:20	WG958963
Aniline	U		0.00231	0.00952	.952	03/09/2017 12:20	WG958963
Anthracene	U		0.000277	0.000952	.952	03/09/2017 12:20	WG958963
Benzo(a)anthracene	U		0.0000928	0.000952	.952	03/09/2017 12:20	WG958963
Benzo(b)fluoranthene	U		0.0000853	0.000952	.952	03/09/2017 12:20	WG958963
Benzo(k)fluoranthene	U		0.000338	0.000952	.952	03/09/2017 12:20	WG958963
Benzo(a)pyrene	U		0.000324	0.000952	.952	03/09/2017 12:20	WG958963
biphenyl	U		0.000309	0.00952	.952	03/09/2017 12:20	WG958963
Bis(2-chloroethyl)ether	U		0.00154	0.00952	.952	03/09/2017 12:20	WG958963
Bis(2-chloroisopropyl)ether	U		0.000424	0.00952	.952	03/09/2017 12:20	WG958963
2-Chloronaphthalene	U		0.000314	0.000952	.952	03/09/2017 12:20	WG958963
4-Chloroaniline	U		0.000364	0.00952	.952	03/09/2017 12:20	WG958963
Chrysene	U		0.000316	0.000952	.952	03/09/2017 12:20	WG958963
Dibenz(a,h)anthracene	U		0.000266	0.000952	.952	03/09/2017 12:20	WG958963
Dibenzofuran	U		0.000322	0.00952	.952	03/09/2017 12:20	WG958963
Dinoseb	U		0.0170	0.0476	.952	03/09/2017 20:34	WG958963
3,3-Dichlorobenzidine	U		0.00192	0.00952	.952	03/09/2017 12:20	WG958963
1,3-Dinitrobenzene	U		0.000342	0.00952	.952	03/09/2017 20:34	WG958963
2,4-Dinitrotoluene	U		0.00157	0.00952	.952	03/09/2017 12:20	WG958963
2,6-Dinitrotoluene	U		0.000266	0.00952	.952	03/09/2017 12:20	WG958963
Fluoranthene	U		0.000295	0.000952	.952	03/09/2017 12:20	WG958963
Fluorene	U		0.000307	0.000952	.952	03/09/2017 12:20	WG958963
Hexachlorobenzene	U		0.000325	0.000952	.952	03/09/2017 12:20	WG958963
Hexachloro-1,3-butadiene	U		0.000313	0.00952	.952	03/09/2017 12:20	WG958963

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Hexachlorocyclopentadiene	U		0.00222	0.00952	.952	03/09/2017 12:20	WG958963
Hexachloroethane	U		0.000347	0.00952	.952	03/09/2017 12:20	WG958963
Indeno(1,2,3-cd)pyrene	U		0.000266	0.000952	.952	03/09/2017 12:20	WG958963
Isophorone	U		0.000259	0.00952	.952	03/09/2017 12:20	WG958963
2-Methylnaphthalene	U		0.000296	0.000952	.952	03/09/2017 12:20	WG958963
Naphthalene	U		0.000354	0.000952	.952	03/09/2017 12:20	WG958963
2-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 12:20	WG958963
3-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 12:20	WG958963
4-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 12:20	WG958963
Nitrobenzene	U		0.000349	0.00952	.952	03/09/2017 12:20	WG958963
n-Nitrosodiphenylamine	U		0.000289	0.00952	.952	03/09/2017 12:20	WG958963
n-Nitrosodi-n-propylamine	U		0.000384	0.00952	.952	03/09/2017 12:20	WG958963
Phenanthrene	U		0.000348	0.000952	.952	03/09/2017 12:20	WG958963
Benzylbutyl phthalate	U		0.000262	0.00286	.952	03/09/2017 12:20	WG958963
Bis(2-ethylhexyl)phthalate	U		0.000675	0.00286	.952	03/09/2017 12:20	WG958963
Diethyl phthalate	U		0.000268	0.00286	.952	03/09/2017 12:20	WG958963
Dimethyl phthalate	U		0.000269	0.00286	.952	03/09/2017 12:20	WG958963
Di-n-octyl phthalate	U		0.000265	0.00286	.952	03/09/2017 12:20	WG958963
Pyrene	U		0.000314	0.000952	.952	03/09/2017 12:20	WG958963
1,2,4,5-Tetrachlorobenzene	U		0.00204	0.00952	.952	03/09/2017 12:20	WG958963
1,2,4-Trichlorobenzene	U		0.000338	0.00952	.952	03/09/2017 12:20	WG958963
2-Chlorophenol	U		0.000269	0.00952	.952	03/09/2017 12:20	WG958963
2,4-Dichlorophenol	U		0.000270	0.00952	.952	03/09/2017 12:20	WG958963
2,4-Dimethylphenol	U		0.000594	0.00952	.952	03/09/2017 12:20	WG958963
2,4-Dinitrophenol	U		0.00309	0.00952	.952	03/09/2017 12:20	WG958963
4-Nitrophenol	U		0.00191	0.00952	.952	03/09/2017 12:20	WG958963
Pentachlorophenol	U		0.000298	0.00952	.952	03/09/2017 12:20	WG958963
Phenol	0.000631	J	0.000318	0.00952	.952	03/09/2017 12:20	WG958963
2,3,4,6-Tetrachlorophenol	U		0.00190	0.00952	.952	03/09/2017 12:20	WG958963
2,4,5-Trichlorophenol	U		0.000225	0.00952	.952	03/09/2017 12:20	WG958963
2,4,6-Trichlorophenol	U		0.000283	0.00952	.952	03/09/2017 12:20	WG958963
(S) 2-Fluorophenol	*28.0*			*10.0-120*		*03/09/2017 12:20*	WG958963
(S) Phenol-d5	*17.6*			*10.0-120*		*03/09/2017 12:20*	WG958963
(S) Nitrobenzene-d5	*84.3*			*10.0-126*		*03/09/2017 12:20*	WG958963
(S) 2-Fluorobiphenyl	*74.6*			*22.0-127*		*03/09/2017 12:20*	WG958963
(S) 2,4,6-Tribromophenol	*56.5*			*10.0-153*		*03/09/2017 12:20*	WG958963
(S) p-Terphenyl-d14	*87.5*			*29.0-141*		*03/09/2017 12:20*	WG958963

Sample Narrative:

8270C L893760-11 WG958963: Dilution due to sample volume

Mercury by Method 7470A

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Mercury	U		0.0000490	0.000200	1	03/06/2017 13:24	WG957868

Metals (ICP) by Method 6010B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Arsenic	0.101		0.00650	0.0100	1	03/08/2017 09:28	WG958829
Barium	1.99		0.00170	0.00500	1	03/08/2017 09:28	WG958829
Cadmium	0.00275		0.000700	0.00200	1	03/08/2017 09:28	WG958829
Chromium	0.0795		0.00140	0.0100	1	03/08/2017 09:28	WG958829
Lead	0.0890		0.00190	0.00500	1	03/08/2017 09:28	WG958829
Selenium	U		0.00740	0.0100	1	03/08/2017 09:28	WG958829
Silver	U		0.00280	0.00500	1	03/08/2017 09:28	WG958829

Volatile Organic Compounds (GC) by Method 8015D/GRO

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
TPH (GC/FID) Low Fraction	U		0.0314	0.100	1	03/06/2017 18:17	WG957974
(S) a,a,a-Trifluorotoluene(FID)	*112*			*77.0-122*		*03/06/2017 18:17*	WG957974

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Acetone	U		0.0100	0.0500	1	03/07/2017 14:27	WG958568
Benzene	U		0.000331	0.00100	1	03/07/2017 14:27	WG958568
Bromodichloromethane	U		0.000380	0.00100	1	03/07/2017 14:27	WG958568
Bromoform	U		0.000469	0.00100	1	03/07/2017 14:27	WG958568
Bromomethane	U		0.000866	0.00500	1	03/07/2017 14:27	WG958568
Carbon disulfide	U		0.000275	0.00100	1	03/07/2017 14:27	WG958568
Carbon tetrachloride	U		0.000379	0.00100	1	03/07/2017 14:27	WG958568
Chlorobenzene	U		0.000348	0.00100	1	03/07/2017 14:27	WG958568
Chlorodibromomethane	U		0.000327	0.00100	1	03/07/2017 14:27	WG958568
Chloroethane	U		0.000453	0.00500	1	03/07/2017 14:27	WG958568
Chloroform	U		0.000324	0.00500	1	03/07/2017 14:27	WG958568
Chloromethane	U		0.000276	0.00250	1	03/07/2017 14:27	WG958568
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500	1	03/07/2017 14:27	WG958568
1,2-Dichlorobenzene	U		0.000349	0.00100	1	03/07/2017 14:27	WG958568
1,3-Dichlorobenzene	U		0.000220	0.00100	1	03/07/2017 14:27	WG958568
1,4-Dichlorobenzene	U		0.000274	0.00100	1	03/07/2017 14:27	WG958568
Dichlorodifluoromethane	U		0.000551	0.00500	1	03/07/2017 14:27	WG958568
1,1-Dichloroethane	U		0.000259	0.00100	1	03/07/2017 14:27	WG958568
1,2-Dichloroethane	U		0.000361	0.00100	1	03/07/2017 14:27	WG958568
1,1-Dichloroethene	U		0.000398	0.00100	1	03/07/2017 14:27	WG958568
cis-1,2-Dichloroethene	U		0.000260	0.00100	1	03/07/2017 14:27	WG958568
trans-1,2-Dichloroethene	U		0.000396	0.00100	1	03/07/2017 14:27	WG958568
1,2-Dichloropropane	U		0.000306	0.00100	1	03/07/2017 14:27	WG958568
cis-1,3-Dichloropropene	U		0.000418	0.00100	1	03/07/2017 14:27	WG958568
trans-1,3-Dichloropropene	U		0.000419	0.00100	1	03/07/2017 14:27	WG958568
Ethylbenzene	U		0.000384	0.00100	1	03/07/2017 14:27	WG958568
Hexachloro-1,3-butadiene	U		0.000256	0.00100	1	03/07/2017 14:27	WG958568
Isobutanol	U		0.0390	0.100	1	03/08/2017 08:56	WG958568
2-Butanone (MEK)	U		0.00393	0.0100	1	03/07/2017 14:27	WG958568
Methylene Chloride	U		0.00100	0.00500	1	03/07/2017 14:27	WG958568
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100	1	03/07/2017 14:27	WG958568
Methyl tert-butyl ether	U		0.000367	0.00100	1	03/07/2017 14:27	WG958568

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Naphthalene	U		0.00100	0.00500	1	03/07/2017 14:27	WG958568
Styrene	U		0.000307	0.00100	1	03/07/2017 14:27	WG958568
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100	1	03/07/2017 14:27	WG958568
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100	1	03/07/2017 14:27	WG958568
Tetrachloroethene	U		0.000372	0.00100	1	03/07/2017 14:27	WG958568
Toluene	U		0.000412	0.00100	1	03/07/2017 14:27	WG958568
1,2,4-Trichlorobenzene	U		0.000355	0.00100	1	03/07/2017 14:27	WG958568
1,1,1-Trichloroethane	U		0.000319	0.00100	1	03/07/2017 14:27	WG958568
1,1,2-Trichloroethane	U		0.000383	0.00100	1	03/07/2017 14:27	WG958568
Trichloroethene	U		0.000398	0.00100	1	03/07/2017 14:27	WG958568
Trichlorofluoromethane	U		0.00120	0.00500	1	03/07/2017 14:27	WG958568
Vinyl chloride	U		0.000259	0.00100	1	03/07/2017 14:27	WG958568
Xylenes, Total	U		0.00106	0.00300	1	03/07/2017 14:27	WG958568
(S) Toluene-d8	*102*			*80.0-120*		*03/07/2017 14:27*	WG958568
(S) Toluene-d8	*103*			*80.0-120*		*03/08/2017 08:56*	WG958568
(S) Dibromofluoromethane	*96.7*			*76.0-123*		*03/08/2017 08:56*	WG958568
(S) Dibromofluoromethane	*91.0*			*76.0-123*		*03/07/2017 14:27*	WG958568
(S) 4-Bromofluorobenzene	*103*			*80.0-120*		*03/07/2017 14:27*	WG958568
(S) 4-Bromofluorobenzene	*104*			*80.0-120*		*03/08/2017 08:56*	WG958568

Semi-Volatile Organic Compounds (GC) by Method 8015

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
C10-C28 Diesel Range	0.0228	J	0.0222	0.100	1	03/09/2017 02:26	WG958694
C28-C40 Oil Range	0.0133	J	0.0118	0.100	1	03/09/2017 02:26	WG958694
(S) o-Terphenyl	*110*			*52.0-156*		*03/09/2017 02:26*	WG958694

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

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acenaphthene	U		0.000301	0.000952	.952	03/09/2017 12:43	WG958963
Acenaphthylene	U		0.000294	0.000952	.952	03/09/2017 12:43	WG958963
Aniline	U		0.00231	0.00952	.952	03/09/2017 12:43	WG958963
Anthracene	U		0.000277	0.000952	.952	03/09/2017 12:43	WG958963
Benzo(a)anthracene	U		0.0000928	0.000952	.952	03/09/2017 12:43	WG958963
Benzo(b)fluoranthene	U		0.0000853	0.000952	.952	03/09/2017 12:43	WG958963
Benzo(k)fluoranthene	U		0.000338	0.000952	.952	03/09/2017 12:43	WG958963
Benzo(a)pyrene	U		0.000324	0.000952	.952	03/09/2017 12:43	WG958963
biphenyl	U		0.000309	0.00952	.952	03/09/2017 12:43	WG958963
Bis(2-chloroethyl)ether	U		0.00154	0.00952	.952	03/09/2017 12:43	WG958963
Bis(2-chloroisopropyl)ether	U		0.000424	0.00952	.952	03/09/2017 12:43	WG958963
2-Chloronaphthalene	U		0.000314	0.000952	.952	03/09/2017 12:43	WG958963
4-Chloroaniline	U		0.000364	0.00952	.952	03/09/2017 12:43	WG958963
Chrysene	U		0.000316	0.000952	.952	03/09/2017 12:43	WG958963
Dibenz(a,h)anthracene	U		0.000266	0.000952	.952	03/09/2017 12:43	WG958963
Dibenzofuran	U		0.000322	0.00952	.952	03/09/2017 12:43	WG958963
Dinoseb	U		0.0170	0.0476	.952	03/09/2017 20:51	WG958963
3,3-Dichlorobenzidine	U		0.00192	0.00952	.952	03/09/2017 12:43	WG958963
1,3-Dinitrobenzene	U		0.000342	0.00952	.952	03/09/2017 20:51	WG958963
2,4-Dinitrotoluene	U		0.00157	0.00952	.952	03/09/2017 12:43	WG958963
2,6-Dinitrotoluene	U		0.000266	0.00952	.952	03/09/2017 12:43	WG958963
Fluoranthene	U		0.000295	0.000952	.952	03/09/2017 12:43	WG958963
Fluorene	U		0.000307	0.000952	.952	03/09/2017 12:43	WG958963
Hexachlorobenzene	U		0.000325	0.000952	.952	03/09/2017 12:43	WG958963
Hexachloro-1,3-butadiene	U		0.000313	0.00952	.952	03/09/2017 12:43	WG958963

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

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	mg/l		mg/l	mg/l		date / time	
Hexachlorocyclopentadiene	U		0.00222	0.00952	.952	03/09/2017 12:43	WG958963
Hexachloroethane	U		0.000347	0.00952	.952	03/09/2017 12:43	WG958963
Indeno(1,2,3-cd)pyrene	U		0.000266	0.000952	.952	03/09/2017 12:43	WG958963
Isophorone	U		0.000259	0.00952	.952	03/09/2017 12:43	WG958963
2-Methylnaphthalene	U		0.000296	0.000952	.952	03/09/2017 12:43	WG958963
Naphthalene	U		0.000354	0.000952	.952	03/09/2017 12:43	WG958963
2-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 12:43	WG958963
3-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 12:43	WG958963
4-Nitroaniline	U		0.00181	0.00952	.952	03/09/2017 12:43	WG958963
Nitrobenzene	U		0.000349	0.00952	.952	03/09/2017 12:43	WG958963
n-Nitrosodiphenylamine	U		0.000289	0.00952	.952	03/09/2017 12:43	WG958963
n-Nitrosodi-n-propylamine	U		0.000384	0.00952	.952	03/09/2017 12:43	WG958963
Phenanthrene	U		0.000348	0.000952	.952	03/09/2017 12:43	WG958963
Benzylbutyl phthalate	U		0.000262	0.00286	.952	03/09/2017 12:43	WG958963
Bis(2-ethylhexyl)phthalate	U		0.000675	0.00286	.952	03/09/2017 12:43	WG958963
Diethyl phthalate	U		0.000268	0.00286	.952	03/09/2017 12:43	WG958963
Dimethyl phthalate	U		0.000269	0.00286	.952	03/09/2017 12:43	WG958963
Di-n-octyl phthalate	U		0.000265	0.00286	.952	03/09/2017 12:43	WG958963
Pyrene	U		0.000314	0.000952	.952	03/09/2017 12:43	WG958963
1,2,4,5-Tetrachlorobenzene	U		0.00204	0.00952	.952	03/09/2017 12:43	WG958963
1,2,4-Trichlorobenzene	U		0.000338	0.00952	.952	03/09/2017 12:43	WG958963
2-Chlorophenol	U		0.000269	0.00952	.952	03/09/2017 12:43	WG958963
2,4-Dichlorophenol	U		0.000270	0.00952	.952	03/09/2017 12:43	WG958963
2,4-Dimethylphenol	U		0.000594	0.00952	.952	03/09/2017 12:43	WG958963
2,4-Dinitrophenol	U		0.00309	0.00952	.952	03/09/2017 12:43	WG958963
4-Nitrophenol	U		0.00191	0.00952	.952	03/09/2017 12:43	WG958963
Pentachlorophenol	U		0.000298	0.00952	.952	03/09/2017 12:43	WG958963
Phenol	0.00144	J	0.000318	0.00952	.952	03/09/2017 12:43	WG958963
2,3,4,6-Tetrachlorophenol	U		0.00190	0.00952	.952	03/09/2017 12:43	WG958963
2,4,5-Trichlorophenol	U		0.000225	0.00952	.952	03/09/2017 12:43	WG958963
2,4,6-Trichlorophenol	U		0.000283	0.00952	.952	03/09/2017 12:43	WG958963
(S) 2-Fluorophenol	*25.4*			*10.0-120*		*03/09/2017 12:43*	WG958963
(S) Phenol-d5	*15.7*			*10.0-120*		*03/09/2017 12:43*	WG958963
(S) Nitrobenzene-d5	*77.3*			*10.0-126*		*03/09/2017 12:43*	WG958963
(S) 2-Fluorobiphenyl	*82.8*			*22.0-127*		*03/09/2017 12:43*	WG958963
(S) 2,4,6-Tribromophenol	*62.5*			*10.0-153*		*03/09/2017 12:43*	WG958963
(S) p-Terphenyl-d14	*89.8*			*29.0-141*		*03/09/2017 12:43*	WG958963

Sample Narrative:

8270C L893760-12 WG958963: Dilution due to sample volume

Method Blank (MB)

(MB) R3201197-4 03/06/17 12:36

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
Mercury	U		0.000049	0.000200

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

(LCS) R3201197-5 03/06/17 12:38 • (LCSD) R3201197-6 03/06/17 12:40

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
Mercury	0.00300	0.00255	0.00257	85	86	80-120			1	20

L893623-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893623-04 03/06/17 12:42 • (MS) R3201197-7 03/06/17 12:45 • (MSD) R3201197-8 03/06/17 12:47

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Mercury	0.00300	U	0.00255	0.00196	85	65	1	75-125		J3 J6	26	20

Method Blank (MB)

(MB) R3201720-1 03/08/17 08:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0028	0.0200

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

(LCS) R3201720-2 03/08/17 09:00 • (LCSD) R3201720-3 03/08/17 09:03

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	0.272	0.276	91	92	80-120			2	20

L893454-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893454-01 03/08/17 09:05 • (MS) R3201720-4 03/08/17 09:08 • (MSD) R3201720-5 03/08/17 09:10

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 %
Mercury	0.300	ND	0.285	0.284	95	95	1	75-125			0	20

Method Blank (MB)

(MB) R3201186-1 03/06/17 13:05

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.65	2.00
Barium	0.201	J	0.17	0.500
Cadmium	U		0.07	0.500
Chromium	U		0.14	1.00
Lead	U		0.19	0.500
Selenium	U		0.74	2.00
Silver	U		0.28	1.00

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

(LCS) R3201186-2 03/06/17 13:07 • (LCSD) R3201186-3 03/06/17 13:10

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 %
Arsenic	100	106	104	106	104	80-120			2	20
Barium	100	108	106	108	106	80-120			2	20
Cadmium	100	105	103	105	103	80-120			2	20
Chromium	100	101	98.4	101	98	80-120			3	20
Lead	100	104	102	104	102	80-120			2	20
Selenium	100	105	103	105	103	80-120			2	20
Silver	20.0	18.4	18.1	92	90	80-120			2	20

L893893-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893893-02 03/06/17 13:13 • (MS) R3201186-6 03/06/17 13:21 • (MSD) R3201186-7 03/06/17 13:24

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	127	3.65	127	129	97	99	1	75-125			2	20
Barium	127	104	263	218	126	90	1	75-125	J5		19	20
Cadmium	127	U	126	129	100	102	1	75-125			2	20
Chromium	127	11.1	126	135	91	98	1	75-125			7	20
Lead	127	9.49	138	142	101	105	1	75-125			3	20
Selenium	127	U	122	125	96	99	1	75-125			2	20
Silver	25.3	U	22.2	23	88	91	1	75-125			4	20

Method Blank (MB)

(MB) R3201756-1 03/08/17 08:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0065	0.0100
Barium	U		0.0017	0.00500
Cadmium	U		0.0007	0.00200
Chromium	0.0022	J	0.0014	0.0100
Lead	U		0.0019	0.00500
Selenium	U		0.0074	0.0100
Silver	U		0.0028	0.00500

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

(LCS) R3201756-2 03/08/17 08:52 • (LCSD) R3201756-3 03/08/17 08:54

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 %
Arsenic	1.00	0.993	1.01	99	101	80-120			2	20
Barium	1.00	1.01	1.02	101	102	80-120			2	20
Cadmium	1.00	0.992	1.01	99	101	80-120			2	20
Chromium	1.00	0.989	0.996	99	100	80-120			1	20
Lead	1.00	1.00	1.02	100	102	80-120			2	20
Selenium	1.00	0.996	1.01	100	101	80-120			2	20
Silver	0.200	0.188	0.190	94	95	80-120			1	20

L893818-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893818-02 03/08/17 08:57 • (MS) R3201756-5 03/08/17 09:02 • (MSD) R3201756-6 03/08/17 09:05

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 %
Arsenic	1.00	U	1.00	0.991	100	99	1	75-125			1	20
Barium	1.00	0.0185	1.02	1.01	100	99	1	75-125			1	20
Cadmium	1.00	U	0.995	0.983	100	98	1	75-125			1	20
Chromium	1.00	U	0.991	0.982	99	98	1	75-125			1	20
Lead	1.00	U	1.01	0.994	101	99	1	75-125			1	20
Selenium	1.00	U	1.00	0.989	100	99	1	75-125			1	20
Silver	0.200	U	0.188	0.187	94	93	1	75-125			1	20

Method Blank (MB)

(MB) R3202109-3 03/06/17 11:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
TPH (GC/FID) Low Fraction	U		0.0314	0.100
(S) a,a,a-Trifluorotoluene(FID)	*111*			*77.0-122*

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

(LCS) R3202109-1 03/06/17 10:30 • (LCSD) R3202109-2 03/06/17 10:54

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	5.52	5.36	100	97.4	71.0-136			2.96	20
(S) a,a,a-Trifluorotoluene(FID)				*112*	*112*	*77.0-122*				

L893844-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893844-01 03/06/17 14:40 • (MS) R3202109-4 03/06/17 15:04 • (MSD) R3202109-5 03/06/17 15:28

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
TPH (GC/FID) Low Fraction	5.50	0.139	5.47	5.67	96.9	101	1	18.0-160			3.64	20
(S) a,a,a-Trifluorotoluene(FID)					*111*	*111*		*77.0-122*				

Method Blank (MB)

(MB) R3202040-3 03/08/17 23:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*97.5*			*77.0-120*

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

(LCS) R3202040-1 03/08/17 22:51 • (LCSD) R3202040-2 03/08/17 23:13

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 %
TPH (GC/FID) Low Fraction	5.50	6.22	6.27	113	114	70.0-136			0.750	20
(S) a,a,a-Trifluorotoluene(FID)				*105*	*105*	*77.0-120*				

L893577-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893577-16 03/09/17 02:28 • (MS) R3202040-4 03/09/17 01:21 • (MSD) R3202040-5 03/09/17 01:43

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPH (GC/FID) Low Fraction	6.82	64.1	98.4	93.3	19.3	16.5	26	10.0-147			5.26	30
(S) a,a,a-Trifluorotoluene(FID)					*99.3*	*99.6*		*77.0-120*				

Method Blank (MB)

(MB) R3201742-1 03/07/17 23:38

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*

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

(LCS) R3201742-4 03/08/17 08:31 • (LCSD) R3201742-5 03/08/17 08:53

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	5.50	5.50	99.9	100	70.0-136			0.130	20
(S) a,a,a-Trifluorotoluene(FID)				*110*	*110*	*77.0-120*				

L892831-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L892831-03 03/08/17 02:13 • (MS) R3201742-2 03/08/17 00:22 • (MSD) R3201742-3 03/08/17 00:44

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	6.75	129	153	153	14.2	13.7	25	10.0-147			0.460	30
(S) a,a,a-Trifluorotoluene(FID)					*99.9*	*101*		*77.0-120*				

Method Blank (MB)

(MB) R3201547-3 03/07/17 10:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0100	0.0500
Benzene	U		0.000331	0.00100
Bromodichloromethane	U		0.000380	0.00100
Bromoform	U		0.000469	0.00100
Bromomethane	U		0.000866	0.00500
Carbon disulfide	U		0.000275	0.00100
Carbon tetrachloride	U		0.000379	0.00100
Chlorobenzene	U		0.000348	0.00100
Chlorodibromomethane	U		0.000327	0.00100
Chloroethane	U		0.000453	0.00500
Chloroform	U		0.000324	0.00500
Chloromethane	U		0.000276	0.00250
1,2-Dibromo-3-Chloropropane	U		0.00133	0.00500
1,2-Dichlorobenzene	U		0.000349	0.00100
1,3-Dichlorobenzene	U		0.000220	0.00100
1,4-Dichlorobenzene	U		0.000274	0.00100
Dichlorodifluoromethane	U		0.000551	0.00500
1,1-Dichloroethane	U		0.000259	0.00100
1,2-Dichloroethane	U		0.000361	0.00100
1,1-Dichloroethene	U		0.000398	0.00100
cis-1,2-Dichloroethene	U		0.000260	0.00100
trans-1,2-Dichloroethene	U		0.000396	0.00100
1,2-Dichloropropane	U		0.000306	0.00100
cis-1,3-Dichloropropene	U		0.000418	0.00100
trans-1,3-Dichloropropene	U		0.000419	0.00100
Ethylbenzene	U		0.000384	0.00100
Hexachloro-1,3-butadiene	U		0.000256	0.00100
2-Butanone (MEK)	U		0.00393	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00214	0.0100
Methyl tert-butyl ether	U		0.000367	0.00100
Naphthalene	U		0.00100	0.00500
Styrene	U		0.000307	0.00100
1,1,1,2-Tetrachloroethane	U		0.000385	0.00100
1,1,2,2-Tetrachloroethane	U		0.000130	0.00100
Tetrachloroethene	U		0.000372	0.00100
Toluene	U		0.000412	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.00100
1,1,1-Trichloroethane	U		0.000319	0.00100
1,1,2-Trichloroethane	U		0.000383	0.00100

Method Blank (MB)

(MB) R3201547-3 03/07/17 10:03

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000398	0.00100
Trichlorofluoromethane	U		0.00120	0.00500
Vinyl chloride	U		0.000259	0.00100
Xylenes, Total	U		0.00106	0.00300
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*89.2*			*76.0-123*
(S) 4-Bromofluorobenzene	*104*			*80.0-120*

Method Blank (MB)

(MB) R3201876-1 03/08/17 00:49

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isobutanol	U		0.0390	0.100
(S) Toluene-d8	*102*			*80.0-120*
(S) Dibromofluoromethane	*97.2*			*76.0-123*
(S) 4-Bromofluorobenzene	*104*			*80.0-120*

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

(LCS) R3201547-1 03/07/17 09:09 • (LCSD) R3201547-2 03/07/17 09:23

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	0.183	0.188	146	150	10.0-160			2.40	23
Benzene	0.0250	0.0241	0.0242	96.5	97.0	69.0-123			0.460	20
Bromodichloromethane	0.0250	0.0258	0.0258	103	103	76.0-120			0.0100	20
Bromoform	0.0250	0.0261	0.0263	104	105	67.0-132			0.800	20
Bromomethane	0.0250	0.0171	0.0171	68.3	68.4	18.0-160			0.0600	20
Carbon disulfide	0.0250	0.0238	0.0241	95.2	96.6	55.0-127			1.40	20
Carbon tetrachloride	0.0250	0.0229	0.0230	91.6	92.1	63.0-122			0.590	20
Chlorobenzene	0.0250	0.0269	0.0273	108	109	79.0-121			1.37	20
Chlorodibromomethane	0.0250	0.0276	0.0278	110	111	75.0-125			0.700	20
Chloroethane	0.0250	0.0209	0.0215	83.8	86.2	47.0-152			2.83	20
Chloroform	0.0250	0.0228	0.0227	91.2	90.7	72.0-121			0.490	20
Chloromethane	0.0250	0.0233	0.0229	93.1	91.7	48.0-139			1.50	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0259	0.0263	104	105	64.0-127			1.51	20
1,2-Dichlorobenzene	0.0250	0.0266	0.0273	106	109	80.0-120			2.51	20
1,3-Dichlorobenzene	0.0250	0.0224	0.0226	89.6	90.5	72.0-123			1.04	20
1,4-Dichlorobenzene	0.0250	0.0264	0.0266	106	107	77.0-120			0.840	20

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

(LCS) R3201547-1 03/07/17 09:09 • (LCSD) R3201547-2 03/07/17 09:23

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 %
Dichlorodifluoromethane	0.0250	0.0290	0.0289	116	116	49.0-155			0.240	20
1,1-Dichloroethane	0.0250	0.0235	0.0237	93.9	94.7	70.0-126			0.880	20
1,2-Dichloroethane	0.0250	0.0233	0.0235	93.2	94.1	67.0-126			0.990	20
1,1-Dichloroethene	0.0250	0.0245	0.0249	98.1	99.4	64.0-129			1.35	20
cis-1,2-Dichloroethene	0.0250	0.0231	0.0234	92.6	93.7	73.0-120			1.18	20
trans-1,2-Dichloroethene	0.0250	0.0232	0.0233	92.7	93.4	71.0-121			0.660	20
1,2-Dichloropropane	0.0250	0.0267	0.0268	107	107	75.0-125			0.0700	20
cis-1,3-Dichloropropene	0.0250	0.0300	0.0301	120	120	79.0-123			0.250	20
trans-1,3-Dichloropropene	0.0250	0.0277	0.0278	111	111	74.0-127			0.530	20
Ethylbenzene	0.0250	0.0270	0.0269	108	108	77.0-120			0.190	20
Hexachloro-1,3-butadiene	0.0250	0.0273	0.0280	109	112	64.0-131			2.23	20
2-Butanone (MEK)	0.125	0.174	0.165	139	132	37.0-158			5.36	20
Methylene Chloride	0.0250	0.0220	0.0222	87.8	88.7	66.0-121			0.970	20
4-Methyl-2-pentanone (MIBK)	0.125	0.151	0.152	121	121	59.0-143			0.710	20
Methyl tert-butyl ether	0.0250	0.0225	0.0228	90.1	91.2	64.0-123			1.20	20
Naphthalene	0.0250	0.0276	0.0274	110	110	62.0-128			0.480	20
Styrene	0.0250	0.0287	0.0289	115	116	78.0-124			0.820	20
1,1,1,2-Tetrachloroethane	0.0250	0.0272	0.0274	109	110	75.0-122			0.770	20
1,1,2,2-Tetrachloroethane	0.0250	0.0263	0.0267	105	107	71.0-122			1.69	20
Tetrachloroethene	0.0250	0.0269	0.0266	108	106	70.0-127			1.03	20
Toluene	0.0250	0.0260	0.0261	104	104	77.0-120			0.310	20
1,2,4-Trichlorobenzene	0.0250	0.0280	0.0277	112	111	69.0-129			1.02	20
1,1,1-Trichloroethane	0.0250	0.0228	0.0230	91.2	92.1	68.0-122			0.990	20
1,1,2-Trichloroethane	0.0250	0.0268	0.0269	107	108	78.0-120			0.630	20
Trichloroethene	0.0250	0.0254	0.0255	102	102	78.0-120			0.290	20
Trichlorofluoromethane	0.0250	0.0239	0.0239	95.5	95.6	56.0-137			0.0600	20
Vinyl chloride	0.0250	0.0246	0.0246	98.3	98.3	64.0-133			0.0400	20
Xylenes, Total	0.0750	0.0816	0.0829	109	111	77.0-120			1.58	20
(S) Toluene-d8				*100*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*88.8*	*88.8*	*76.0-123*				
(S) 4-Bromofluorobenzene				*99.2*	*99.8*	*80.0-120*				

L893298-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893298-01 03/07/17 15:46 • (MS) R3201547-4 03/07/17 16:26 • (MSD) R3201547-5 03/07/17 16:40

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	U	14.9	14.0	119	112	100	10.0-139			6.44	25
Benzene	0.0250	0.212	2.38	2.16	86.8	77.9	100	34.0-147			9.74	20

L893298-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893298-01 03/07/17 15:46 • (MS) R3201547-4 03/07/17 16:26 • (MSD) R3201547-5 03/07/17 16:40

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 %
Bromodichloromethane	0.0250	0.0675	2.58	2.37	100	91.9	100	52.0-135			8.58	20
Bromoform	0.0250	U	2.52	2.35	101	94.1	100	50.0-146			6.79	20
Bromomethane	0.0250	U	1.64	1.47	65.4	58.7	100	10.0-160			10.8	23
Carbon disulfide	0.0250	U	1.89	1.69	75.8	67.6	100	10.0-147			11.5	20
Carbon tetrachloride	0.0250	0.137	2.35	2.14	88.4	79.9	100	41.0-138			9.42	20
Chlorobenzene	0.0250	U	2.58	2.36	103	94.4	100	52.0-141			9.11	20
Chlorodibromomethane	0.0250	U	2.70	2.48	108	99.0	100	54.0-142			8.75	20
Chloroethane	0.0250	U	2.15	1.89	86.0	75.7	100	23.0-160			12.7	20
Chloroform	0.0250	7.90	10.1	9.74	88.8	73.6	100	50.0-139			3.83	20
Chloromethane	0.0250	U	2.14	1.93	85.6	77.0	100	14.0-151			10.6	20
1,2-Dibromo-3-Chloropropane	0.0250	0.184	2.72	2.56	101	95.2	100	49.0-144			5.98	24
1,2-Dichlorobenzene	0.0250	U	2.61	2.43	104	97.1	100	56.0-139			7.24	20
1,3-Dichlorobenzene	0.0250	U	2.14	1.94	85.8	77.7	100	50.0-141			9.80	20
1,4-Dichlorobenzene	0.0250	U	2.51	2.32	100	92.8	100	53.0-136			7.75	20
Dichlorodifluoromethane	0.0250	U	3.21	2.90	128	116	100	20.0-160			10.3	21
1,1-Dichloroethane	0.0250	U	2.29	2.07	91.6	82.9	100	47.0-143			9.99	20
1,2-Dichloroethane	0.0250	0.0848	2.30	2.11	88.5	81.1	100	47.0-141			8.48	20
1,1-Dichloroethene	0.0250	U	2.33	2.08	93.1	83.3	100	31.0-148			11.0	20
cis-1,2-Dichloroethene	0.0250	U	2.22	2.04	88.8	81.8	100	43.0-142			8.29	20
trans-1,2-Dichloroethene	0.0250	U	2.14	1.94	85.4	77.5	100	36.0-141			9.80	20
1,2-Dichloropropane	0.0250	1.21	3.88	3.59	107	95.3	100	51.0-141			7.82	20
cis-1,3-Dichloropropene	0.0250	U	2.84	2.62	114	105	100	53.0-139			8.13	20
trans-1,3-Dichloropropene	0.0250	U	2.65	2.46	106	98.3	100	51.0-143			7.41	20
Ethylbenzene	0.0250	0.0410	2.54	2.31	100	90.7	100	42.0-147			9.61	20
Hexachloro-1,3-butadiene	0.0250	U	2.65	2.48	106	99.1	100	44.0-146			6.69	21
2-Butanone (MEK)	0.125	U	15.4	14.5	123	116	100	12.0-149			6.48	24
Methylene Chloride	0.0250	0.895	2.98	2.75	83.3	74.1	100	42.0-135			8.01	20
4-Methyl-2-pentanone (MIBK)	0.125	U	14.3	13.3	114	107	100	44.0-160			6.83	22
Methyl tert-butyl ether	0.0250	U	2.17	2.00	86.9	80.1	100	42.0-142			8.11	20
Naphthalene	0.0250	0.129	2.60	2.49	98.8	94.4	100	42.0-146			4.37	24
Styrene	0.0250	U	2.75	2.51	110	100	100	47.0-147			9.36	20
1,1,1,2-Tetrachloroethane	0.0250	U	2.60	2.40	104	95.8	100	52.0-140			8.23	20
1,1,2,2-Tetrachloroethane	0.0250	U	2.51	2.34	100	93.8	100	46.0-149			6.63	20
Tetrachloroethene	0.0250	0.0748	2.54	2.32	98.7	89.6	100	38.0-147			9.37	20
Toluene	0.0250	0.295	2.60	2.33	92.1	81.4	100	42.0-141			10.8	20
1,2,4-Trichlorobenzene	0.0250	U	2.64	2.50	105	100	100	49.0-147			5.32	21
1,1,1-Trichloroethane	0.0250	U	2.23	2.02	89.3	80.8	100	46.0-140			10.1	20
1,1,2-Trichloroethane	0.0250	0.0562	2.65	2.44	104	95.5	100	54.0-139			8.11	20
Trichloroethene	0.0250	0.243	2.64	2.42	95.9	86.9	100	32.0-156			8.89	20
Trichlorofluoromethane	0.0250	U	2.42	2.20	96.8	87.8	100	32.0-152			9.68	20

L893298-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893298-01 03/07/17 15:46 • (MS) R3201547-4 03/07/17 16:26 • (MSD) R3201547-5 03/07/17 16:40

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 %
Vinyl chloride	0.0250	U	2.37	2.13	94.9	85.3	100	24.0-153			10.7	20
Xylenes, Total	0.0750	0.258	7.88	7.06	102	90.7	100	41.0-148			11.0	20
(S) Toluene-d8					*101*	*101*		*80.0-120*				
(S) Dibromofluoromethane					*90.0*	*89.2*		*76.0-123*				
(S) 4-Bromofluorobenzene					*98.8*	*97.1*		*80.0-120*				

Method Blank (MB)

(MB) R3202051-3 03/08/17 23:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0100	0.0500
Benzene	U		0.000270	0.00100
Bromodichloromethane	U		0.000254	0.00100
Bromoform	U		0.000424	0.00100
Bromomethane	U		0.00134	0.00500
Carbon disulfide	U		0.000221	0.00100
Carbon tetrachloride	U		0.000328	0.00100
Chlorobenzene	U		0.000212	0.00100
Chlorodibromomethane	U		0.000373	0.00100
Chloroethane	U		0.000946	0.00500
Chloroform	U		0.000229	0.00500
Chloromethane	U		0.000375	0.00250
1,2-Dibromo-3-Chloropropane	U		0.00105	0.00500
1,2-Dichlorobenzene	U		0.000305	0.00100
1,3-Dichlorobenzene	U		0.000239	0.00100
1,4-Dichlorobenzene	U		0.000226	0.00100
Dichlorodifluoromethane	U		0.000713	0.00500
1,1-Dichloroethane	U		0.000199	0.00100
1,2-Dichloroethane	U		0.000265	0.00100
1,1-Dichloroethene	U		0.000303	0.00100
cis-1,2-Dichloroethene	U		0.000235	0.00100
trans-1,2-Dichloroethene	U		0.000264	0.00100
1,2-Dichloropropane	U		0.000358	0.00100
cis-1,3-Dichloropropene	U		0.000262	0.00100
trans-1,3-Dichloropropene	U		0.000267	0.00100
Ethylbenzene	U		0.000297	0.00100
Hexachloro-1,3-butadiene	U		0.000342	0.00100
2-Butanone (MEK)	U		0.00468	0.0100
Methylene Chloride	U		0.00100	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.00188	0.0100
Methyl tert-butyl ether	U		0.000212	0.00100
Naphthalene	U		0.00100	0.00500
Styrene	U		0.000234	0.00100
1,1,1,2-Tetrachloroethane	U		0.000264	0.00100
1,1,2,2-Tetrachloroethane	U		0.000365	0.00100
Tetrachloroethene	U		0.000276	0.00100
Toluene	U		0.000434	0.00500
1,2,4-Trichlorobenzene	U		0.000388	0.00100
1,1,1-Trichloroethane	U		0.000286	0.00100
1,1,2-Trichloroethane	U		0.000277	0.00100

Method Blank (MB)

(MB) R3202051-3 03/08/17 23:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Trichloroethene	U		0.000279	0.00100
Trichlorofluoromethane	U		0.000382	0.00500
Vinyl chloride	U		0.000291	0.00100
Xylenes, Total	U		0.000698	0.00300
Isobutanol	U		0.0430	0.100
(S) Toluene-d8	*101*			*80.0-120*
(S) Dibromofluoromethane	*103*			*74.0-131*
(S) a,a,a-Trifluorotoluene	*98.9*			*80.0-120*
(S) 4-Bromofluorobenzene	*100*			*64.0-132*

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

(LCS) R3202051-1 03/08/17 22:00 • (LCSD) R3202051-2 03/08/17 22:20

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	0.157	0.151	126	121	11.0-160			4.12	23
Benzene	0.0250	0.0280	0.0280	112	112	71.0-124			0.260	20
Bromodichloromethane	0.0250	0.0276	0.0276	110	111	75.0-120			0.0800	20
Bromoform	0.0250	0.0282	0.0280	113	112	65.0-133			0.960	20
Bromomethane	0.0250	0.0247	0.0241	98.9	96.4	26.0-160			2.56	20
Carbon disulfide	0.0250	0.0282	0.0283	113	113	53.0-130			0.410	20
Carbon tetrachloride	0.0250	0.0295	0.0296	118	119	66.0-123			0.560	20
Chlorobenzene	0.0250	0.0278	0.0279	111	112	79.0-121			0.440	20
Chlorodibromomethane	0.0250	0.0291	0.0295	116	118	74.0-128			1.60	20
Chloroethane	0.0250	0.0216	0.0212	86.6	84.6	51.0-147			2.30	20
Chloroform	0.0250	0.0296	0.0300	118	120	73.0-123			1.17	20
Chloromethane	0.0250	0.0237	0.0239	94.7	95.7	51.0-138			1.05	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0294	0.0284	117	114	65.0-126			3.41	20
1,2-Dichlorobenzene	0.0250	0.0269	0.0270	108	108	80.0-120			0.200	20
1,3-Dichlorobenzene	0.0250	0.0250	0.0252	100	101	72.0-123			0.750	20
1,4-Dichlorobenzene	0.0250	0.0251	0.0253	100	101	77.0-120			0.760	20
Dichlorodifluoromethane	0.0250	0.0276	0.0281	111	113	49.0-155			1.79	20
1,1-Dichloroethane	0.0250	0.0287	0.0285	115	114	70.0-128			0.560	20
1,2-Dichloroethane	0.0250	0.0318	0.0317	127	127	69.0-128			0.380	20
1,1-Dichloroethene	0.0250	0.0290	0.0290	116	116	63.0-131			0.150	20
cis-1,2-Dichloroethene	0.0250	0.0301	0.0295	121	118	74.0-123			2.09	20
trans-1,2-Dichloroethene	0.0250	0.0297	0.0293	119	117	72.0-122			1.41	20
1,2-Dichloropropane	0.0250	0.0263	0.0265	105	106	75.0-126			0.850	20
cis-1,3-Dichloropropene	0.0250	0.0307	0.0306	123	122	80.0-125			0.550	20

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

(LCS) R3202051-1 03/08/17 22:00 • (LCSD) R3202051-2 03/08/17 22:20

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	0.0314	0.0308	126	123	75.0-129			2.02	20
Ethylbenzene	0.0250	0.0272	0.0278	109	111	77.0-120			2.30	20
Hexachloro-1,3-butadiene	0.0250	0.0253	0.0253	101	101	68.0-128			0.220	20
2-Butanone (MEK)	0.125	0.153	0.148	123	119	37.0-159			3.31	20
Methylene Chloride	0.0250	0.0278	0.0278	111	111	67.0-123			0.170	20
4-Methyl-2-pentanone (MIBK)	0.125	0.162	0.157	129	125	60.0-144			3.12	20
Methyl tert-butyl ether	0.0250	0.0291	0.0286	116	114	66.0-125			1.71	20
Naphthalene	0.0250	0.0274	0.0270	110	108	64.0-125			1.65	20
Styrene	0.0250	0.0284	0.0290	113	116	78.0-124			2.14	20
1,1,1,2-Tetrachloroethane	0.0250	0.0284	0.0285	114	114	74.0-124			0.460	20
1,1,2,2-Tetrachloroethane	0.0250	0.0278	0.0272	111	109	73.0-120			2.30	20
Tetrachloroethene	0.0250	0.0263	0.0272	105	109	70.0-127			3.53	20
Toluene	0.0250	0.0277	0.0281	111	112	77.0-120			1.30	20
1,2,4-Trichlorobenzene	0.0250	0.0258	0.0256	103	102	70.0-127			0.600	20
1,1,1-Trichloroethane	0.0250	0.0306	0.0308	122	123	69.0-125			0.930	20
1,1,2-Trichloroethane	0.0250	0.0280	0.0278	112	111	78.0-120			0.770	20
Trichloroethene	0.0250	0.0280	0.0283	112	113	79.0-120			1.06	20
Trichlorofluoromethane	0.0250	0.0249	0.0263	99.7	105	59.0-136			5.51	20
Vinyl chloride	0.0250	0.0265	0.0262	106	105	63.0-134			1.28	20
Xylenes, Total	0.0750	0.0802	0.0816	107	109	77.0-120			1.73	20
(S) Toluene-d8				*101*	*101*	*80.0-120*				
(S) Dibromofluoromethane				*107*	*107*	*74.0-131*				
(S) α,α,α-Trifluorotoluene				*97.8*	*99.8*	*80.0-120*				
(S) 4-Bromofluorobenzene				*98.3*	*97.9*	*64.0-132*				

L893727-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893727-25 03/09/17 04:23 • (MS) R3202051-4 03/09/17 00:00 • (MSD) R3202051-5 03/09/17 00:20

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	1.46	1.66	93.8	106	12.5	10.0-160			12.7	36
Benzene	0.0250	ND	0.325	0.326	104	104	12.5	13.0-146			0.230	27
Bromodichloromethane	0.0250	ND	0.305	0.308	97.6	98.6	12.5	15.0-142			1.03	28
Bromoform	0.0250	ND	0.264	0.277	84.5	88.7	12.5	10.0-147			4.87	31
Bromomethane	0.0250	ND	0.263	0.253	84.0	81.1	12.5	10.0-160			3.55	32
Carbon disulfide	0.0250	ND	0.311	0.315	98.2	99.4	12.5	10.0-141			1.15	30
Carbon tetrachloride	0.0250	ND	0.334	0.335	107	107	12.5	13.0-140			0.150	30
Chlorobenzene	0.0250	ND	0.297	0.302	95.1	96.5	12.5	10.0-149			1.46	31
Chlorodibromomethane	0.0250	ND	0.292	0.298	93.5	95.3	12.5	12.0-147			1.94	29

L893727-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893727-25 03/09/17 04:23 • (MS) R3202051-4 03/09/17 00:00 • (MSD) R3202051-5 03/09/17 00:20

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 %
Chloroethane	0.0250	ND	0.0640	ND	20.5	0.000	12.5	10.0-159		J3 J6	200	33
Chloroform	0.0250	ND	0.337	0.341	108	109	12.5	18.0-148			0.950	28
Chloromethane	0.0250	ND	0.278	0.275	89.0	87.9	12.5	10.0-146			1.18	29
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.289	0.305	92.6	97.4	12.5	10.0-149			5.14	34
1,2-Dichlorobenzene	0.0250	ND	0.302	0.311	96.6	99.6	12.5	10.0-153			3.01	34
1,3-Dichlorobenzene	0.0250	ND	0.276	0.285	88.5	91.2	12.5	10.0-150			3.07	35
1,4-Dichlorobenzene	0.0250	ND	0.297	0.303	95.1	97.0	12.5	10.0-148			1.96	34
Dichlorodifluoromethane	0.0250	ND	0.313	0.309	100	98.8	12.5	10.0-160			1.37	30
1,1-Dichloroethane	0.0250	ND	0.333	0.335	107	107	12.5	19.0-148			0.510	28
1,2-Dichloroethane	0.0250	ND	0.358	0.357	115	114	12.5	17.0-147			0.190	27
1,1-Dichloroethene	0.0250	ND	0.338	0.343	108	110	12.5	10.0-150			1.39	31
cis-1,2-Dichloroethene	0.0250	ND	0.338	0.343	108	110	12.5	16.0-145			1.49	28
trans-1,2-Dichloroethene	0.0250	ND	0.341	0.339	109	109	12.5	11.0-142			0.630	29
1,2-Dichloropropane	0.0250	ND	0.308	0.304	98.6	97.2	12.5	17.0-148			1.47	28
cis-1,3-Dichloropropene	0.0250	ND	0.347	0.346	111	111	12.5	13.0-150			0.370	28
trans-1,3-Dichloropropene	0.0250	ND	0.353	0.356	113	114	12.5	10.0-152			0.860	29
Ethylbenzene	0.0250	ND	0.297	0.303	95.2	97.1	12.5	10.0-147			2.01	31
Hexachloro-1,3-butadiene	0.0250	ND	0.303	0.302	97.1	96.6	12.5	10.0-154			0.500	40
2-Butanone (MEK)	0.125	ND	1.67	1.70	107	109	12.5	10.0-160			1.88	33
Methylene Chloride	0.0250	ND	0.333	0.336	107	107	12.5	16.0-139			0.770	29
4-Methyl-2-pentanone (MIBK)	0.125	ND	1.70	1.75	108	112	12.5	12.0-160			3.11	32
Methyl tert-butyl ether	0.0250	ND	0.323	0.328	103	105	12.5	21.0-145			1.48	29
Naphthalene	0.0250	ND	0.291	0.299	93.2	95.7	12.5	10.0-153			2.70	36
Styrene	0.0250	ND	0.307	0.312	98.1	99.9	12.5	10.0-155			1.86	34
1,1,1,2-Tetrachloroethane	0.0250	ND	0.295	0.302	94.5	96.6	12.5	10.0-147			2.23	30
1,1,2,2-Tetrachloroethane	0.0250	ND	0.274	0.284	87.7	91.0	12.5	10.0-155			3.61	31
Tetrachloroethene	0.0250	ND	0.292	0.291	93.4	93.1	12.5	10.0-144			0.340	32
Toluene	0.0250	ND	0.327	0.326	105	104	12.5	10.0-144			0.140	28
1,2,4-Trichlorobenzene	0.0250	ND	0.312	0.308	99.8	98.7	12.5	10.0-156			1.04	40
1,1,1-Trichloroethane	0.0250	ND	0.350	0.347	112	111	12.5	18.0-145			0.840	29
1,1,2-Trichloroethane	0.0250	ND	0.288	0.290	92.2	92.9	12.5	12.0-151			0.720	28
Trichloroethene	0.0250	ND	0.325	0.323	104	103	12.5	11.0-148			0.620	29
Trichlorofluoromethane	0.0250	ND	0.0642	0.0648	20.5	20.7	12.5	10.0-157			0.890	34
Vinyl chloride	0.0250	ND	0.246	0.261	78.6	83.5	12.5	10.0-150			5.95	29
Xylenes, Total	0.0750	ND	0.885	0.890	94.4	94.9	12.5	10.0-150			0.560	31
(S) Toluene-d8					*101*	*100*		*80.0-120*				
(S) Dibromofluoromethane					*102*	*104*		*74.0-131*				
(S) α,α,α-Trifluorotoluene					*98.4*	*98.7*		*80.0-120*				
(S) 4-Bromofluorobenzene					*90.2*	*92.5*		*64.0-132*				

Method Blank (MB)

(MB) R3202009-1 03/08/17 17:28

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	U		0.274	4.00
(S) o-Terphenyl	*102*			*18.0-148*

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

(LCS) R3202009-2 03/08/17 17:45 • (LCSD) R3202009-3 03/08/17 18:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C10-C28 Diesel Range	60.0	55.9	42.3	93.2	70.5	50.0-150		J3	27.8	20
(S) o-Terphenyl				*126*	*99.0*	*18.0-148*				

L893760-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893760-02 03/09/17 00:08 • (MS) R3202009-4 03/09/17 00:25 • (MSD) R3202009-5 03/09/17 00:41

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
C10-C28 Diesel Range	60.0	U	50.7	54.7	84.4	91.2	1	50.0-150			7.73	20
(S) o-Terphenyl					*106*	*112*		*18.0-148*				

Method Blank (MB)

(MB) R3202137-1 03/08/17 23:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	mg/l		mg/l	mg/l
C10-C28 Diesel Range	U		0.0222	0.100
C28-C40 Oil Range	U		0.0118	0.100
(S) o-Terphenyl	*110*			*52.0-156*

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

(LCS) R3202137-2 03/08/17 23:43 • (LCSD) R3202137-3 03/08/17 23:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	mg/l	mg/l	mg/l	%	%	%			%	%
C10-C28 Diesel Range	1.50	1.64	1.72	110	115	50.0-150			4.47	20
(S) o-Terphenyl				*118*	*116*	*52.0-156*				

Method Blank (MB)

(MB) R3201717-3 03/07/17 16:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.000316	0.00100
Acenaphthylene	U		0.000309	0.00100
Aniline	U		0.00243	0.0100
Anthracene	U		0.000291	0.00100
Benzo(a)anthracene	U		0.0000975	0.00100
Benzo(b)fluoranthene	U		0.0000896	0.00100
Benzo(k)fluoranthene	U		0.000355	0.00100
Benzo(a)pyrene	U		0.000340	0.00100
Biphenyl	U		0.000325	0.0100
Bis(2-chloroethyl)ether	U		0.00162	0.0100
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100
4-Chloroaniline	U		0.000382	0.0100
2-Chloronaphthalene	U		0.000330	0.00100
Chrysene	U		0.000332	0.00100
Dibenz(a,h)anthracene	U		0.000279	0.00100
Dibenzofuran	U		0.000338	0.0100
3,3-Dichlorobenzidine	U		0.00202	0.0100
2,4-Dinitrotoluene	U		0.00165	0.0100
2,6-Dinitrotoluene	U		0.000279	0.0100
Fluoranthene	U		0.000310	0.00100
Fluorene	U		0.000323	0.00100
Hexachlorobenzene	U		0.000341	0.00100
Hexachloro-1,3-butadiene	U		0.000329	0.0100
Hexachlorocyclopentadiene	U		0.00233	0.0100
Hexachloroethane	U		0.000365	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000272	0.0100
2-Methylnaphthalene	U		0.000311	0.00100
Naphthalene	U		0.000372	0.00100
2-Nitroaniline	U		0.00190	0.0100
3-Nitroaniline	U		0.00190	0.0100
4-Nitroaniline	U		0.00190	0.0100
Nitrobenzene	U		0.000367	0.0100
n-Nitrosodiphenylamine	U		0.000304	0.0100
n-Nitrosodi-n-propylamine	U		0.000403	0.0100
Phenanthrene	U		0.000366	0.00100
Benzylbutyl phthalate	U		0.000275	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300
Diethyl phthalate	U		0.000282	0.00300
Dimethyl phthalate	U		0.000283	0.00300

Method Blank (MB)

(MB) R3201717-3 03/07/17 16:48

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Di-n-octyl phthalate	U		0.000278	0.00300
Pyrene	U		0.000330	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.0100
2-Chlorophenol	U		0.000283	0.0100
2,4-Dichlorophenol	U		0.000284	0.0100
2,4-Dimethylphenol	U		0.000624	0.0100
2,4-Dinitrophenol	U		0.00325	0.0100
4-Nitrophenol	U		0.00201	0.0100
Pentachlorophenol	U		0.000313	0.0100
2,3,4,6-Tetrachlorophenol	U		0.00200	0.0100
Phenol	U		0.000334	0.0100
1,2,4,5-Tetrachlorobenzene	U		0.00214	0.0100
2,4,5-Trichlorophenol	U		0.000236	0.0100
2,4,6-Trichlorophenol	U		0.000297	0.0100
(S) Nitrobenzene-d5	*93.0*			*10.0-126*
(S) 2-Fluorobiphenyl	*79.7*			*22.0-127*
(S) p-Terphenyl-d14	*106*			*29.0-141*
(S) Phenol-d5	*41.8*			*10.0-120*
(S) 2-Fluorophenol	*55.1*			*10.0-120*
(S) 2,4,6-Tribromophenol	*77.0*			*10.0-153*

Method Blank (MB)

(MB) R3202280-2 03/09/17 18:18

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,3-Dinitrobenzene	U		0.000359	0.0100
Dinoseb	U		0.0179	0.0500

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

(LCS) R3201717-1 03/07/17 16:02 • (LCSD) R3201717-2 03/07/17 16:25

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	0.0458	0.0467	91.5	93.5	42.0-120			2.06	22
Acenaphthylene	0.0500	0.0470	0.0478	94.0	95.6	43.0-120			1.74	22
Aniline	0.0500	0.0426	0.0423	85.2	84.6	10.0-120			0.760	25
Anthracene	0.0500	0.0479	0.0488	95.9	97.6	44.0-120			1.78	20
Benzo(a)anthracene	0.0500	0.0462	0.0482	92.5	96.5	44.0-120			4.25	20

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

(LCS) R3201717-1 03/07/17 16:02 • (LCSD) R3201717-2 03/07/17 16:25

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(b)fluoranthene	0.0500	0.0455	0.0472	91.0	94.5	40.0-120			3.79	21
Benzo(k)fluoranthene	0.0500	0.0470	0.0494	94.0	98.8	41.0-120			5.03	22
Benzo(a)pyrene	0.0500	0.0462	0.0486	92.4	97.1	41.0-120			5.03	20
Biphenyl	0.0500	0.0432	0.0448	86.5	89.5	37.0-120			3.45	27
Bis(2-chloroethyl)ether	0.0500	0.0446	0.0449	89.1	89.8	24.0-120			0.760	29
Bis(2-chloroisopropyl)ether	0.0500	0.0442	0.0424	88.3	84.9	32.0-120			3.97	29
4-Chloroaniline	0.0500	0.0446	0.0451	89.1	90.2	23.0-120			1.18	28
2-Chloronaphthalene	0.0500	0.0430	0.0435	86.0	86.9	37.0-120			1.08	24
Chrysene	0.0500	0.0488	0.0511	97.6	102	45.0-120			4.67	20
Dibenz(a,h)anthracene	0.0500	0.0513	0.0502	103	100	44.0-121			2.10	21
Dibenzofuran	0.0500	0.0452	0.0463	90.4	92.6	42.0-120			2.40	21
3,3-Dichlorobenzidine	0.0500	0.0835	0.0871	167	174	29.0-153	J4	J4	4.22	23
2,4-Dinitrotoluene	0.0500	0.0525	0.0537	105	107	47.0-127			2.22	21
2,6-Dinitrotoluene	0.0500	0.0482	0.0491	96.4	98.1	42.0-120			1.76	22
Fluoranthene	0.0500	0.0497	0.0516	99.5	103	46.0-121			3.70	20
Fluorene	0.0500	0.0462	0.0479	92.3	95.7	45.0-120			3.65	21
Hexachlorobenzene	0.0500	0.0462	0.0453	92.5	90.6	41.0-124			2.06	21
Hexachloro-1,3-butadiene	0.0500	0.0295	0.0299	59.1	59.8	26.0-120			1.16	31
Hexachlorocyclopentadiene	0.0500	0.0316	0.0334	63.2	66.9	10.0-120			5.69	31
Hexachloroethane	0.0500	0.0294	0.0313	58.8	62.6	22.0-120			6.22	34
Indeno(1,2,3-cd)pyrene	0.0500	0.0512	0.0502	102	100	45.0-123			2.04	21
Isophorone	0.0500	0.0471	0.0474	94.1	94.8	37.0-120			0.700	24
2-Methylnaphthalene	0.0500	0.0337	0.0337	67.5	67.4	35.0-120			0.0600	25
Naphthalene	0.0500	0.0345	0.0339	69.1	67.8	33.0-120			1.86	28
2-Nitroaniline	0.0500	0.0533	0.0557	107	111	43.0-120			4.41	23
3-Nitroaniline	0.0500	0.0533	0.0549	107	110	35.0-123			2.97	25
4-Nitroaniline	0.0500	0.0598	0.0617	120	123	23.0-160			3.22	26
Nitrobenzene	0.0500	0.0418	0.0414	83.5	82.9	31.0-120			0.800	28
n-Nitrosodiphenylamine	0.0500	0.0525	0.0505	105	101	44.0-120			3.86	21
n-Nitrosodi-n-propylamine	0.0500	0.0500	0.0526	100	105	29.0-120			5.10	27
Phenanthrene	0.0500	0.0464	0.0473	92.9	94.7	42.0-120			1.92	20
Benzylbutyl phthalate	0.0500	0.0500	0.0539	100	108	36.0-123			7.47	22
Bis(2-ethylhexyl)phthalate	0.0500	0.0498	0.0550	99.6	110	37.0-121			9.85	21
Diethyl phthalate	0.0500	0.0493	0.0524	98.6	105	48.0-123			6.15	20
Dimethyl phthalate	0.0500	0.0492	0.0502	98.4	100	47.0-120			1.94	20
Di-n-octyl phthalate	0.0500	0.0500	0.0551	100	110	38.0-120			9.62	22
Pyrene	0.0500	0.0475	0.0503	94.9	101	43.0-120			5.88	21
1,2,4-Trichlorobenzene	0.0500	0.0316	0.0311	63.3	62.2	29.0-120			1.71	29
2-Chlorophenol	0.0500	0.0363	0.0375	72.6	75.1	28.0-120			3.39	29
2,4-Dichlorophenol	0.0500	0.0399	0.0401	79.7	80.2	37.0-120			0.560	26

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

(LCS) R3201717-1 03/07/17 16:02 • (LCSD) R3201717-2 03/07/17 16:25

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 %
2,4-Dimethylphenol	0.0500	0.0415	0.0411	83.1	82.2	35.0-120			1.05	25
2,4-Dinitrophenol	0.0500	0.0231	0.0368	46.3	73.7	10.0-120		J3	45.7	40
4-Nitrophenol	0.0500	0.0219	0.0280	43.9	55.9	10.0-120			24.2	35
Pentachlorophenol	0.0500	0.0342	0.0404	68.4	80.8	20.0-126			16.7	32
Phenol	0.0500	0.0218	0.0246	43.7	49.1	10.0-120			11.8	34
1,2,4,5-Tetrachlorobenzene	0.0500	0.0396	0.0392	79.2	78.5	31.0-120			0.940	26
2,4,5-Trichlorophenol	0.0500	0.0496	0.0518	99.2	104	44.0-124			4.39	24
2,4,6-Trichlorophenol	0.0500	0.0480	0.0482	95.9	96.5	40.0-122			0.560	24
2,3,4,6-Tetrachlorophenol	0.0500	0.0437	0.0463	87.4	92.6	39.0-122			5.78	28
(S) Nitrobenzene-d5				*77.6*	*78.9*	*10.0-126*				
(S) 2-Fluorobiphenyl				*81.5*	*81.9*	*22.0-127*				
(S) p-Terphenyl-d14				*95.6*	*97.0*	*29.0-141*				
(S) Phenol-d5				*39.0*	*42.7*	*10.0-120*				
(S) 2-Fluorophenol				*50.9*	*56.4*	*10.0-120*				
(S) 2,4,6-Tribromophenol				*95.9*	*87.9*	*10.0-153*				

Laboratory Control Sample (LCS)

(LCS) R3202280-1 03/09/17 18:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3-Dinitrobenzene	0.0500	0.0488	97.5	32.0-150	
Dinoseb	0.0500	0.0516	103	36.0-138	

Method Blank (MB)

(MB) R3202176-3 03/09/17 08:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acenaphthene	U		0.000316	0.00100
Acenaphthylene	U		0.000309	0.00100
Aniline	U		0.00243	0.0100
Anthracene	U		0.000291	0.00100
Benzo(a)anthracene	U		0.0000975	0.00100
Benzo(b)fluoranthene	U		0.0000896	0.00100
Benzo(k)fluoranthene	U		0.000355	0.00100
Benzo(a)pyrene	U		0.000340	0.00100
Biphenyl	U		0.000325	0.0100
Bis(2-chloroethyl)ether	U		0.00162	0.0100
Bis(2-chloroisopropyl)ether	U		0.000445	0.0100
4-Chloroaniline	U		0.000382	0.0100
2-Chloronaphthalene	U		0.000330	0.00100
Chrysene	U		0.000332	0.00100
Dibenz(a,h)anthracene	U		0.000279	0.00100
Dibenzofuran	U		0.000338	0.0100
3,3-Dichlorobenzidine	U		0.00202	0.0100
2,4-Dinitrotoluene	U		0.00165	0.0100
2,6-Dinitrotoluene	U		0.000279	0.0100
Fluoranthene	U		0.000310	0.00100
Fluorene	U		0.000323	0.00100
Hexachlorobenzene	U		0.000341	0.00100
Hexachloro-1,3-butadiene	U		0.000329	0.0100
Hexachlorocyclopentadiene	U		0.00233	0.0100
Hexachloroethane	U		0.000365	0.0100
Indeno(1,2,3-cd)pyrene	U		0.000279	0.00100
Isophorone	U		0.000272	0.0100
2-Methylnaphthalene	U		0.000311	0.00100
Naphthalene	U		0.000372	0.00100
2-Nitroaniline	U		0.00190	0.0100
3-Nitroaniline	U		0.00190	0.0100
4-Nitroaniline	U		0.00190	0.0100
Nitrobenzene	U		0.000367	0.0100
n-Nitrosodiphenylamine	U		0.000304	0.0100
n-Nitrosodi-n-propylamine	U		0.000403	0.0100
Phenanthrene	U		0.000366	0.00100
Benzylbutyl phthalate	U		0.000275	0.00300
Bis(2-ethylhexyl)phthalate	U		0.000709	0.00300
Diethyl phthalate	U		0.000282	0.00300
Dimethyl phthalate	U		0.000283	0.00300

Method Blank (MB)

(MB) R3202176-3 03/09/17 08:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Di-n-octyl phthalate	U		0.000278	0.00300
Pyrene	U		0.000330	0.00100
1,2,4-Trichlorobenzene	U		0.000355	0.0100
2-Chlorophenol	U		0.000283	0.0100
2,4-Dichlorophenol	U		0.000284	0.0100
2,4-Dimethylphenol	U		0.000624	0.0100
2,4-Dinitrophenol	U		0.00325	0.0100
4-Nitrophenol	U		0.00201	0.0100
Pentachlorophenol	U		0.000313	0.0100
2,3,4,6-Tetrachlorophenol	U		0.00200	0.0100
Phenol	U		0.000334	0.0100
1,2,4,5-Tetrachlorobenzene	U		0.00214	0.0100
2,4,5-Trichlorophenol	U		0.000236	0.0100
2,4,6-Trichlorophenol	U		0.000297	0.0100
(S) Nitrobenzene-d5	*81.4*			*10.0-126*
(S) 2-Fluorobiphenyl	*72.0*			*22.0-127*
(S) p-Terphenyl-d14	*91.3*			*29.0-141*
(S) Phenol-d5	*27.8*			*10.0-120*
(S) 2-Fluorophenol	*42.8*			*10.0-120*
(S) 2,4,6-Tribromophenol	*71.2*			*10.0-153*

Method Blank (MB)

(MB) R3202281-2 03/09/17 18:52

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,3-Dinitrobenzene	U		0.000359	0.0100
Dinoseb	U		0.0179	0.0500

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

(LCS) R3202176-1 03/09/17 08:03 • (LCSD) R3202176-2 03/09/17 08:26

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	0.0373	0.0391	74.7	78.2	42.0-120			4.59	22
Acenaphthylene	0.0500	0.0388	0.0397	77.6	79.5	43.0-120			2.44	22
Aniline	0.0500	0.0381	0.0397	76.2	79.4	10.0-120			4.19	25
Anthracene	0.0500	0.0393	0.0416	78.7	83.2	44.0-120			5.62	20
Benzo(a)anthracene	0.0500	0.0377	0.0406	75.4	81.2	44.0-120			7.32	20

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

(LCS) R3202176-1 03/09/17 08:03 • (LCSD) R3202176-2 03/09/17 08:26

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(b)fluoranthene	0.0500	0.0407	0.0417	81.4	83.5	40.0-120			2.45	21
Benzo(k)fluoranthene	0.0500	0.0376	0.0387	75.1	77.4	41.0-120			2.93	22
Benzo(a)pyrene	0.0500	0.0395	0.0404	79.0	80.9	41.0-120			2.37	20
Biphenyl	0.0500	0.0363	0.0376	72.7	75.2	37.0-120			3.38	27
Bis(2-chloroethyl)ether	0.0500	0.0389	0.0414	77.8	82.8	24.0-120			6.26	29
Bis(2-chloroisopropyl)ether	0.0500	0.0364	0.0402	72.8	80.4	32.0-120			10.0	29
4-Chloroaniline	0.0500	0.0376	0.0396	75.1	79.2	23.0-120			5.30	28
2-Chloronaphthalene	0.0500	0.0353	0.0366	70.7	73.1	37.0-120			3.43	24
Chrysene	0.0500	0.0399	0.0426	79.9	85.1	45.0-120			6.35	20
Dibenz(a,h)anthracene	0.0500	0.0406	0.0421	81.3	84.2	44.0-121			3.50	21
Dibenzofuran	0.0500	0.0369	0.0390	73.8	78.1	42.0-120			5.61	21
3,3-Dichlorobenzidine	0.0500	0.0651	0.0688	130	138	29.0-153			5.56	23
2,4-Dinitrotoluene	0.0500	0.0435	0.0447	87.0	89.3	47.0-127			2.67	21
2,6-Dinitrotoluene	0.0500	0.0404	0.0407	80.9	81.4	42.0-120			0.680	22
Fluoranthene	0.0500	0.0419	0.0437	83.8	87.4	46.0-121			4.21	20
Fluorene	0.0500	0.0384	0.0401	76.7	80.2	45.0-120			4.43	21
Hexachlorobenzene	0.0500	0.0373	0.0396	74.6	79.2	41.0-124			5.99	21
Hexachloro-1,3-butadiene	0.0500	0.0271	0.0265	54.3	52.9	26.0-120			2.47	31
Hexachlorocyclopentadiene	0.0500	0.0298	0.0296	59.6	59.3	10.0-120			0.470	31
Hexachloroethane	0.0500	0.0287	0.0284	57.4	56.7	22.0-120			1.12	34
Indeno(1,2,3-cd)pyrene	0.0500	0.0412	0.0427	82.5	85.4	45.0-123			3.52	21
Isophorone	0.0500	0.0378	0.0408	75.7	81.5	37.0-120			7.42	24
2-Methylnaphthalene	0.0500	0.0287	0.0296	57.5	59.3	35.0-120			3.07	25
Naphthalene	0.0500	0.0297	0.0315	59.4	62.9	33.0-120			5.71	28
2-Nitroaniline	0.0500	0.0431	0.0466	86.1	93.1	43.0-120			7.85	23
3-Nitroaniline	0.0500	0.0423	0.0433	84.7	86.5	35.0-123			2.15	25
4-Nitroaniline	0.0500	0.0475	0.0491	94.9	98.1	23.0-160			3.31	26
Nitrobenzene	0.0500	0.0355	0.0383	71.0	76.6	31.0-120			7.55	28
n-Nitrosodiphenylamine	0.0500	0.0407	0.0432	81.3	86.4	44.0-120			6.09	21
n-Nitrosodi-n-propylamine	0.0500	0.0449	0.0480	89.8	96.0	29.0-120			6.71	27
Phenanthrene	0.0500	0.0380	0.0403	76.1	80.6	42.0-120			5.81	20
Benzylbutyl phthalate	0.0500	0.0419	0.0452	83.7	90.4	36.0-123			7.64	22
Bis(2-ethylhexyl)phthalate	0.0500	0.0419	0.0436	83.9	87.1	37.0-121			3.80	21
Diethyl phthalate	0.0500	0.0418	0.0432	83.7	86.3	48.0-123			3.14	20
Dimethyl phthalate	0.0500	0.0398	0.0424	79.6	84.8	47.0-120			6.33	20
Di-n-octyl phthalate	0.0500	0.0425	0.0438	85.0	87.5	38.0-120			2.95	22
Pyrene	0.0500	0.0400	0.0437	80.0	87.4	43.0-120			8.86	21
1,2,4-Trichlorobenzene	0.0500	0.0279	0.0283	55.8	56.6	29.0-120			1.36	29
2-Chlorophenol	0.0500	0.0306	0.0335	61.2	67.0	28.0-120			9.13	29
2,4-Dichlorophenol	0.0500	0.0343	0.0355	68.6	70.9	37.0-120			3.31	26

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

(LCS) R3202176-1 03/09/17 08:03 • (LCSD) R3202176-2 03/09/17 08:26

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 %
2,4-Dimethylphenol	0.0500	0.0319	0.0339	63.9	67.8	35.0-120			5.98	25
2,4-Dinitrophenol	0.0500	0.0167	0.0178	33.4	35.7	10.0-120			6.65	40
4-Nitrophenol	0.0500	0.0149	0.0154	29.9	30.8	10.0-120			2.93	35
Pentachlorophenol	0.0500	0.0312	0.0312	62.4	62.3	20.0-126			0.0600	32
Phenol	0.0500	0.0150	0.0161	30.0	32.2	10.0-120			7.33	34
1,2,4,5-Tetrachlorobenzene	0.0500	0.0336	0.0349	67.1	69.9	31.0-120			4.01	26
2,4,5-Trichlorophenol	0.0500	0.0405	0.0410	81.0	81.9	44.0-124			1.19	24
2,4,6-Trichlorophenol	0.0500	0.0387	0.0409	77.4	81.8	40.0-122			5.56	24
2,3,4,6-Tetrachlorophenol	0.0500	0.0366	0.0380	73.3	76.1	39.0-122			3.75	28
(S) Nitrobenzene-d5				*76.8*	*79.3*	*10.0-126*				
(S) 2-Fluorobiphenyl				*73.2*	*77.9*	*22.0-127*				
(S) p-Terphenyl-d14				*82.4*	*86.4*	*29.0-141*				
(S) Phenol-d5				*30.3*	*31.6*	*10.0-120*				
(S) 2-Fluorophenol				*44.5*	*48.1*	*10.0-120*				
(S) 2,4,6-Tribromophenol				*79.3*	*81.3*	*10.0-153*				

Laboratory Control Sample (LCS)

(LCS) R3202281-1 03/09/17 18:35

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,3-Dinitrobenzene	0.0500	0.0468	93.7	32.0-150	
Dinoseb	0.0500	0.0496	99.2	36.0-138	

Method Blank (MB)

(MB) R3202092-3 03/09/17 08:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acenaphthene	U		0.00642	0.0330
Acenaphthylene	U		0.00671	0.0330
Aniline	U		0.0320	0.333
Anthracene	U		0.00632	0.0330
Benzo(a)anthracene	U		0.00428	0.0330
Benzo(b)fluoranthene	U		0.00695	0.0330
Benzo(k)fluoranthene	U		0.00582	0.0330
Benzo(a)pyrene	U		0.00548	0.0330
Biphenyl	U		0.00588	0.333
Bis(2-chloroethyl)ether	U		0.00896	0.333
Bis(2-chloroisopropyl)ether	U		0.00760	0.333
4-Chloroaniline	U		0.0352	0.333
2-Chloronaphthalene	U		0.00639	0.0330
Chrysene	U		0.00555	0.0330
Dibenz(a,h)anthracene	U		0.00821	0.0330
Dibenzofuran	U		0.00518	0.333
3,3-Dichlorobenzidine	U		0.0794	0.333
2,4-Dinitrotoluene	U		0.00607	0.333
2,6-Dinitrotoluene	U		0.00737	0.333
Fluoranthene	U		0.00496	0.0330
Fluorene	U		0.00682	0.0330
Hexachlorobenzene	U		0.00856	0.333
Hexachloro-1,3-butadiene	U		0.0100	0.333
Hexachlorocyclopentadiene	U		0.0587	0.333
Hexachloroethane	U		0.0134	0.333
Indeno(1,2,3-cd)pyrene	U		0.00772	0.0330
Isophorone	U		0.00522	0.333
2-Methylnaphthalene	U		0.00861	0.0330
Naphthalene	U		0.00889	0.0330
2-Nitroaniline	U		0.00755	0.333
3-Nitroaniline	U		0.00850	0.333
4-Nitroaniline	U		0.00639	0.333
Nitrobenzene	U		0.00695	0.333
n-Nitrosodiphenylamine	U		0.00594	0.333
n-Nitrosodi-n-propylamine	U		0.00906	0.333
Phenanthrene	U		0.00528	0.0330
Benzylbutyl phthalate	U		0.0103	0.333
Bis(2-ethylhexyl)phthalate	U		0.0120	0.333
Diethyl phthalate	U		0.00691	0.333
Dimethyl phthalate	U		0.00540	0.333

Method Blank (MB)

(MB) R3202092-3 03/09/17 08:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Di-n-octyl phthalate	U		0.00907	0.333
Pyrene	U		0.0123	0.0330
1,2,4-Trichlorobenzene	U		0.00876	0.333
2-Chlorophenol	U		0.00831	0.333
2,4-Dichlorophenol	U		0.00746	0.333
2,4-Dimethylphenol	U		0.0471	0.333
2,4-Dinitrophenol	U		0.0980	0.333
4-Nitrophenol	U		0.0525	0.333
Pentachlorophenol	U		0.0480	0.333
Phenol	U		0.00695	0.333
1,2,4,5-Tetrachlorobenzene	U		0.0762	0.333
2,4,5-Trichlorophenol	U		0.0104	0.333
2,4,6-Trichlorophenol	U		0.00779	0.333
2,3,4,6-Tetrachlorophenol	U		0.121	0.333
(S) Nitrobenzene-d5	*69.4*			*18.0-125*
(S) 2-Fluorobiphenyl	*65.3*			*28.0-120*
(S) p-Terphenyl-d14	*68.2*			*13.0-131*
(S) Phenol-d5	*67.4*			*20.0-120*
(S) 2-Fluorophenol	*66.9*			*20.0-120*
(S) 2,4,6-Tribromophenol	*56.7*			*17.0-137*

Method Blank (MB)

(MB) R3202277-2 03/09/17 10:54

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Dinoseb	U		0.0970	0.330
1,3-Dinitrobenzene	U		0.0617	0.333

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

(LCS) R3202092-1 03/09/17 08:08 • (LCSD) R3202092-2 03/09/17 08:33

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	0.446	0.490	66.9	73.4	47.0-120			9.26	21
Acenaphthylene	0.667	0.476	0.523	71.4	78.4	48.0-120			9.36	21
Aniline	0.667	0.390	0.454	58.4	68.0	27.0-120			15.2	28
Anthracene	0.667	0.477	0.491	71.5	73.6	46.0-120			2.89	20
Benzo(a)anthracene	0.667	0.480	0.500	71.9	74.9	46.0-120			4.06	20

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

(LCS) R3202092-1 03/09/17 08:08 • (LCSD) R3202092-2 03/09/17 08:33

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(b)fluoranthene	0.667	0.470	0.496	70.4	74.4	45.0-120			5.44	22
Benzo(k)fluoranthene	0.667	0.497	0.516	74.5	77.4	45.0-120			3.78	23
Benzo(a)pyrene	0.667	0.491	0.517	73.6	77.5	46.0-120			5.16	21
Biphenyl	0.667	0.447	0.483	67.0	72.4	42.0-120			7.78	23
Bis(2-chloroethyl)ether	0.667	0.396	0.450	59.4	67.5	28.0-120			12.7	28
Bis(2-chloroisopropyl)ether	0.667	0.407	0.471	61.0	70.6	40.0-120			14.6	27
4-Chloroaniline	0.667	0.350	0.394	52.5	59.1	27.0-120			11.9	25
2-Chloronaphthalene	0.667	0.417	0.458	62.5	68.7	43.0-120			9.53	22
Chrysene	0.667	0.478	0.516	71.7	77.3	46.0-120			7.55	20
Dibenz(a,h)anthracene	0.667	0.492	0.518	73.7	77.6	47.0-120			5.16	22
Dibenzofuran	0.667	0.449	0.477	67.4	71.6	43.0-120			6.07	21
3,3-Dichlorobenzidine	0.667	0.782	0.802	117	120	20.0-130			2.49	24
2,4-Dinitrotoluene	0.667	0.508	0.538	76.1	80.7	48.0-122			5.86	21
2,6-Dinitrotoluene	0.667	0.453	0.493	67.8	73.9	46.0-120			8.60	21
Fluoranthene	0.667	0.486	0.507	72.9	76.0	46.0-120			4.20	20
Fluorene	0.667	0.469	0.503	70.3	75.4	47.0-120			7.04	20
Hexachlorobenzene	0.667	0.433	0.457	64.9	68.5	42.0-120			5.40	20
Hexachloro-1,3-butadiene	0.667	0.301	0.319	45.1	47.9	36.0-120			5.88	26
Hexachlorocyclopentadiene	0.667	0.373	0.413	56.0	62.0	20.0-124			10.1	26
Hexachloroethane	0.667	0.353	0.417	52.9	62.5	32.0-120			16.6	31
Indeno(1,2,3-cd)pyrene	0.667	0.501	0.524	75.2	78.5	48.0-120			4.32	21
Isophorone	0.667	0.384	0.421	57.6	63.2	42.0-120			9.22	21
2-Methylnaphthalene	0.667	0.336	0.353	50.4	52.9	43.0-120			4.93	22
Naphthalene	0.667	0.332	0.359	49.8	53.8	41.0-120			7.83	24
2-Nitroaniline	0.667	0.499	0.544	74.9	81.6	46.0-125			8.60	21
3-Nitroaniline	0.667	0.466	0.505	69.8	75.7	37.0-120			8.06	22
4-Nitroaniline	0.667	0.655	0.739	98.2	111	31.0-127			12.0	26
Nitrobenzene	0.667	0.329	0.368	49.4	55.1	36.0-120			11.0	24
n-Nitrosodiphenylamine	0.667	0.454	0.488	68.1	73.1	42.0-120			7.11	20
n-Nitrosodi-n-propylamine	0.667	0.425	0.489	63.7	73.4	39.0-120			14.1	23
Phenanthrene	0.667	0.460	0.490	69.0	73.4	45.0-120			6.26	20
Benzylbutyl phthalate	0.667	0.554	0.581	83.0	87.1	41.0-123			4.74	20
Bis(2-ethylhexyl)phthalate	0.667	0.556	0.593	83.3	88.9	41.0-124			6.46	20
Diethyl phthalate	0.667	0.495	0.525	74.1	78.7	46.0-120			5.92	20
Dimethyl phthalate	0.667	0.467	0.501	70.0	75.2	47.0-120			7.17	21
Di-n-octyl phthalate	0.667	0.567	0.608	85.1	91.1	40.0-123			6.88	21
Pyrene	0.667	0.476	0.505	71.4	75.7	45.0-120			5.88	21
1,2,4-Trichlorobenzene	0.667	0.304	0.333	45.6	49.9	40.0-120			8.85	25
2-Chlorophenol	0.667	0.384	0.431	57.5	64.7	37.0-120			11.7	27
2,4-Dichlorophenol	0.667	0.349	0.369	52.4	55.3	45.0-120			5.40	21

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

(LCS) R3202092-1 03/09/17 08:08 • (LCSD) R3202092-2 03/09/17 08:33

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 %
2,4-Dimethylphenol	0.667	0.343	0.367	51.4	55.0	40.0-120			6.67	22
2,4-Dinitrophenol	0.667	0.173	0.217	25.9	32.5	10.0-120			22.7	30
4-Nitrophenol	0.667	0.505	0.547	75.8	82.0	40.0-120			7.94	21
Pentachlorophenol	0.667	0.411	0.447	61.6	67.0	33.0-122			8.39	22
Phenol	0.667	0.411	0.461	61.7	69.1	38.0-120			11.4	25
1,2,4,5-Tetrachlorobenzene	0.667	0.442	0.457	66.2	68.5	40.0-120			3.37	23
2,4,5-Trichlorophenol	0.667	0.429	0.462	64.3	69.2	44.0-120			7.34	22
2,4,6-Trichlorophenol	0.667	0.457	0.490	68.6	73.4	47.0-120			6.81	22
2,3,4,6-Tetrachlorophenol	0.667	0.442	0.458	66.2	68.7	44.0-124			3.71	20
(S) Nitrobenzene-d5				*54.6*	*57.5*	*18.0-125*				
(S) 2-Fluorobiphenyl				*68.4*	*71.3*	*28.0-120*				
(S) p-Terphenyl-d14				*75.0*	*76.3*	*13.0-131*				
(S) Phenol-d5				*66.2*	*72.8*	*20.0-120*				
(S) 2-Fluorophenol				*62.7*	*68.2*	*20.0-120*				
(S) 2,4,6-Tribromophenol				*68.8*	*70.1*	*17.0-137*				

Laboratory Control Sample (LCS)

(LCS) R3202277-1 03/09/17 10:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Dinoseb	0.667	0.604	90.6	46.0-122	
1,3-Dinitrobenzene	0.667	0.541	81.1	48.0-136	

L893644-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893644-02 03/09/17 12:47 • (MS) R3202092-4 03/09/17 13:12 • (MSD) R3202092-5 03/09/17 13:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acenaphthene	0.758	U	0.570	0.530	75.2	69.9	1	37.0-120			7.41	23
Acenaphthylene	0.758	U	0.609	0.569	80.4	75.0	1	41.0-120			6.94	22
Aniline	0.758	0.0705	0.529	0.536	60.5	61.4	1	10.0-120			1.32	31
Anthracene	0.758	U	0.569	0.526	75.0	69.4	1	30.0-123			7.73	25
Benzo(a)anthracene	0.758	U	0.533	0.523	70.3	69.0	1	21.0-123			1.74	26
Benzo(b)fluoranthene	0.758	U	0.520	0.520	68.6	68.6	1	20.0-127			0.0700	29
Benzo(k)fluoranthene	0.758	U	0.553	0.503	73.0	66.3	1	22.0-123			9.57	28
Benzo(a)pyrene	0.758	U	0.549	0.528	72.4	69.7	1	23.0-120			3.85	27
Biphenyl	0.758	U	0.572	0.530	75.4	69.9	1	37.0-120			7.61	21

L893644-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893644-02 03/09/17 12:47 • (MS) R3202092-4 03/09/17 13:12 • (MSD) R3202092-5 03/09/17 13:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Bis(2-chloroethyl)ether	0.758	U	0.560	0.555	73.9	73.2	1	26.0-120			0.900	27
Bis(2-chloroisopropyl)ether	0.758	U	0.558	0.559	73.6	73.8	1	35.0-120			0.240	25
4-Chloroaniline	0.758	U	0.464	0.450	61.2	59.3	1	21.0-120			3.13	27
2-Chloronaphthalene	0.758	U	0.547	0.509	72.1	67.2	1	40.0-120			7.13	22
Chrysene	0.758	U	0.542	0.532	71.5	70.2	1	19.0-127			1.89	27
Dibenz(a,h)anthracene	0.758	U	0.549	0.526	72.4	69.4	1	10.0-120			4.32	28
Dibenzofuran	0.758	U	0.565	0.527	74.5	69.6	1	30.0-120			6.81	22
3,3-Dichlorobenzidine	0.758	U	0.811	0.796	107	105	1	10.0-142			1.81	30
2,4-Dinitrotoluene	0.758	U	0.617	0.579	81.4	76.4	1	37.0-129			6.32	24
2,6-Dinitrotoluene	0.758	U	0.569	0.546	75.0	72.1	1	40.0-120			4.01	23
Fluoranthene	0.758	U	0.576	0.545	76.0	71.9	1	20.0-133			5.53	28
Fluorene	0.758	U	0.572	0.546	75.5	72.0	1	35.0-120			4.74	23
Hexachlorobenzene	0.758	U	0.524	0.503	69.2	66.3	1	33.0-120			4.26	24
Hexachloro-1,3-butadiene	0.758	U	0.397	0.401	52.4	52.9	1	33.0-120			0.880	25
Hexachlorocyclopentadiene	0.758	U	0.466	0.449	61.5	59.2	1	10.0-120			3.87	33
Hexachloroethane	0.758	U	0.520	0.513	68.6	67.6	1	21.0-120			1.44	30
Indeno(1,2,3-cd)pyrene	0.758	U	0.546	0.523	72.1	68.9	1	10.0-120			4.45	30
Isophorone	0.758	U	0.487	0.470	64.2	62.0	1	38.0-120			3.50	22
2-Methylnaphthalene	0.758	U	0.429	0.415	56.5	54.8	1	35.0-120			3.21	23
Naphthalene	0.758	U	0.443	0.430	58.5	56.7	1	37.0-120			3.09	25
2-Nitroaniline	0.758	U	0.635	0.588	83.8	77.5	1	42.0-125			7.79	22
3-Nitroaniline	0.758	U	0.576	0.542	76.0	71.5	1	29.0-120			6.16	25
4-Nitroaniline	0.758	U	0.877	0.835	116	110	1	27.0-130			4.90	27
Nitrobenzene	0.758	U	0.452	0.435	59.6	57.4	1	32.0-120			3.90	24
n-Nitrosodiphenylamine	0.758	U	0.549	0.512	72.4	67.5	1	20.0-125			7.02	25
n-Nitrosodi-n-propylamine	0.758	U	0.551	0.550	72.7	72.6	1	34.0-120			0.130	23
Phenanthrene	0.758	U	0.559	0.525	73.7	69.2	1	24.0-124			6.25	25
Benzylbutyl phthalate	0.758	U	0.602	0.587	79.4	77.4	1	18.0-130			2.50	27
Bis(2-ethylhexyl)phthalate	0.758	U	0.600	0.587	79.2	77.4	1	19.0-127			2.27	28
Diethyl phthalate	0.758	U	0.601	0.564	79.3	74.4	1	42.0-121			6.35	23
Dimethyl phthalate	0.758	U	0.577	0.540	76.2	71.2	1	42.0-120			6.71	23
Di-n-octyl phthalate	0.758	U	0.617	0.601	81.4	79.3	1	21.0-122			2.63	27
Pyrene	0.758	U	0.538	0.528	71.0	69.6	1	19.0-127			1.90	29
1,2,4-Trichlorobenzene	0.758	U	0.413	0.410	54.5	54.0	1	39.0-120			0.800	25
2-Chlorophenol	0.758	U	0.536	0.534	70.8	70.5	1	34.0-120			0.430	25
2,4-Dichlorophenol	0.758	U	0.460	0.461	60.7	60.8	1	41.0-120			0.160	22
2,4-Dimethylphenol	0.758	U	0.427	0.422	56.3	55.6	1	27.0-120			1.30	25
2,4-Dinitrophenol	0.758	U	0.128	0.134	16.9	17.7	1	10.0-142			4.49	30
4-Nitrophenol	0.758	U	0.643	0.593	84.9	78.2	1	26.0-133			8.18	25

L893644-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893644-02 03/09/17 12:47 • (MS) R3202092-4 03/09/17 13:12 • (MSD) R3202092-5 03/09/17 13:38

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Pentachlorophenol	0.758	U	0.568	0.547	75.0	72.2	1	15.0-152			3.75	26
Phenol	0.758	U	0.553	0.553	72.9	72.9	1	33.0-120			0.0200	24
1,2,4,5-Tetrachlorobenzene	0.758	U	0.558	0.567	73.6	74.8	1	40.0-120			1.57	22
2,4,5-Trichlorophenol	0.758	U	0.593	0.563	78.2	74.3	1	40.0-126			5.12	24
2,4,6-Trichlorophenol	0.758	U	0.594	0.558	78.4	73.6	1	40.0-125			6.26	24
2,3,4,6-Tetrachlorophenol	0.758	U	0.591	0.556	77.9	73.3	1	43.0-133			6.15	24
(S) Nitrobenzene-d5					*61.1*	*61.1*		*18.0-125*				
(S) 2-Fluorobiphenyl					*74.2*	*71.0*		*28.0-120*				
(S) p-Terphenyl-d14					*73.8*	*73.5*		*13.0-131*				
(S) Phenol-d5					*73.8*	*73.3*		*20.0-120*				
(S) 2-Fluorophenol					*72.8*	*75.9*		*20.0-120*				
(S) 2,4,6-Tribromophenol					*75.2*	*72.9*		*17.0-137*				

Abbreviations and Definitions

SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
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.

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.

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.**
* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

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

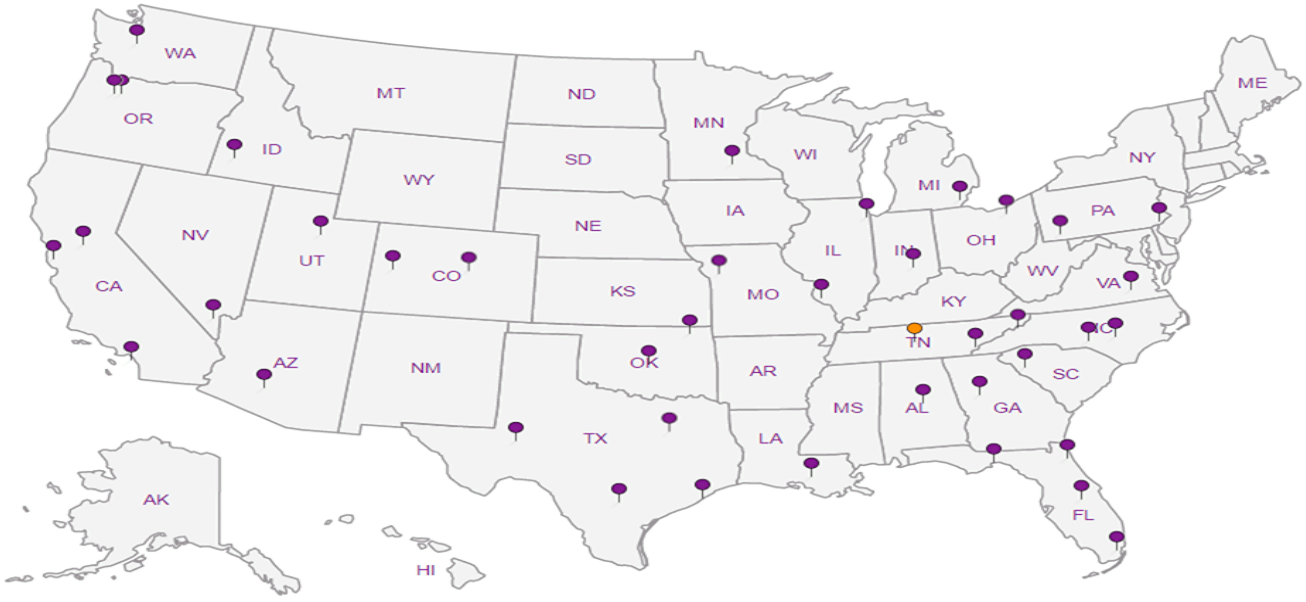
Third Party & Federal Accreditations

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

[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.**



C-K Associates, LLC

17170 Perkins Road
Baton Rouge, LA 70810

Billing Information:
Accounts Payable
17170 Perkins Rd.
Baton Rouge, LA 70810

Pres Chk

Report to: Ms. Jennifer Lindquist

Email To: jennifer.lindquist@c-ka.com

Project Description: Belle Grove

City/State Collected: White Castle LA

Phone: 225-755-1000
Fax:

Client Project # 14678

Lab Project # CKASBLA-BELLEGROVE

Collected by (print): J. Lindquist

Site/Facility ID #

P.O. #

Collected by (signature): J. Lindquist
Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270AP9 100ml Amb NoPres	DROOROLVI 40mlAmb-HCl-BT	DRORLA/SV8270AP9 4ozClr-NoPres	GRO 40mlAmb HCl	MRCRA8 2ozClr-NoPres	Metals 250mlHDPE-HNO3	SPLP/HOLD 4ozClr-NoPres	V8260AP9 40mlAmb-HCl	V8260AP9/GRO 40ml/NaBiS/Syr/MeOH	VOC SCREEN 2ozClr-NoPres	Remarks	Sample # (lab only)
BG-1	G	SS	5-7'	3/2/17	0910	7			X		X		X		X	X		-01
BG-2	G	SS	6-8'	3/2/17	0930	7			X		X		X		X	X		02
BG-2 dup	G	SS	6-8'	3/2/17	0930	7			X		X		X		X	X		03
BG-3	G	SS	6-8'	3/2/17	1020	7			X		X		X		X	X		04
BG-4	G	SS	6-8'	3/2/17	1250	7			X		X		X		X	X		05
BG-5	G	SS	5-7'	3/2/17	1340	7			X		X		X		X	X		06
		SS				7			X		X		X		X	X		
		SS				7			X		X		X		X	X		
		SS				7			X		X		X		X	X		
		SS				7			X		X		X		X	X		
		SS				7			X		X		X		X	X		

Analysis / Container / Preservative

Chain of Custody Page 1 of 2

ESC LABS

YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L893760
F205

Acctnum: CKASBLA
Template: T120729
Prelogin: P588987
TSR: 034 - Craig Cothron
PB: 2-21-17

Shipped Via: FedEx Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 717690066851

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP Y N
COC Signed/Accurate: ✓Y N
Bottles arrive intact: ✓Y N
Correct bottles used: ✓Y N
Sufficient volume sent: ✓Y N
If Applicable
VOA Zero Headspace: ✓Y N
Preservation Correct/Checked: ✓Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Humph Lindquist	3/2/17	FedEx	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes (No) HCL / MeoH TBR

Temp: 2.1 °C Bottles Received: 96

Date: 3-3-17 Time: 900

If preservation required by Login: Date/Time

Hold:

Condition: NCF / (OK)

C-K Associates, LLC
17170 Perkins Road
Baton Rouge, LA 70810

Billing Information:
Accounts Payable
17170 Perkins Rd.
Baton Rouge, LA 70810

Pres Chk

Report to: Ms. Jennifer Lindquist

Email To: jennifer.lindquist@c-ka.com

Project Description: Belle Grove

City/State Collected: White Castle LA

Phone: 225-755-1000
Fax:

Client Project # 14678

Lab Project # CKASBLA-BELLEGROVE

Collected by (print): J. Lindquist

Site/Facility ID #

P.O. #

Collected by (signature): J. Lindquist

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
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___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	8270AP9 100ml Amb NoPres	DROOROLVI 40mlAmb-HCl-BT	DRORLA/SV8270AP9 4ozClr-NoPres	GRO 40mlAmb HCl	MRCRA8 2ozClr-NoPres	Metals 250mlHDPE-HNO3	SPLP/HOLD 4ozClr-NoPres	V8260AP9 40mlAmb-HCl	V8260AP9/GRO 40ml/NaBiS/Syr/MeOH	VOC SCREEN 2ozClr-NoPres	Remarks	Sample # (lab only)
BG-1	G	GW SS	—	3/2/17	0930	9 7	X	X	X	X	X	X	X	X	X	X		-07
BG-1 dup	G	GW	—	3/2/17	0930	9	X	X		X		X		X				08
BG-2	G	GW	—	3/2/17	1000	9	X	X		X		X		X				09
BG-3	G	GW	—	3/2/17	1045	9	X	X		X		X		X				10
BG-4	G	GW	—	3/2/17	1315	9	X	X		X		X		X				11
BG-5	G	GW	—	3/2/17	1340	9	X	X		X		X		X				12
		GW				9	X	X		X		X		X				
		SS				7			X		X		X		X	X		
		SS				7			X		X		X		X	X		
		SS				7			X		X		X		X	X		

Chain of Custody Page 2 of 2

ESC LABORATORY SCIENCES
YOUR LAB OF CHOICE
12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L893760

Table #

Acctnum: CKASBLA
Template: T120729
Prelogin: P588987
TSR: 034 - Craig Cothron
PB: 2-21-17

Shipped Via: FedEX Ground

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: ✓Y __N
Preservation Correct/Checked: ✓Y __N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Jennifer Lindquist	3/2/17	FedEx	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)
			rcb/db

Trip Blank Received: Yes / No
HCL / MeoH
TBR

Temp: 2.4 °C Bottles Received: 7

Date: 3-3-17 Time: 700

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK