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Phase III Environmental Site Assessment

PROPERTY REFERENCE

140 Stewart Ave & 111 Gardner Ave
Brooklyn, NY 11237



Phase III Environmental Site Assessment

Prepared for:

Stewart Purchaser LLC
217 Havenmeyer Street
Brooklyn, NY 11211

Property Identification

140 Stewart Ave & 111 Gardner Ave
Brooklyn, NY 11237

Prepared by:

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GRS Project #: 15-25867.4

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INTRODUCTION

This report documents the results of work completed in accordance with the agreement governing the nature and extent of the assessment. Conditions may exist which could not be identified as a result of this investigation.

PURPOSE

This investigation was intended to evaluate subsurface conditions in identified areas of concern in order to determine the related likelihood of a significant, related release of chemicals of concern as identified below.

BACKGROUND INFORMATION

This assessment is based on the following prior investigations:

- Phase I Environmental Site Assessment – GRS | Corteq #15-25867.1 – 1/8/16
- Phase II Environmental Site Assessment – GRS | Corteq #15-25867.2 – 1/28/16

Information provided shows the Property is developed with two buildings with a total building area of 34,632 square feet. The 140 Stewart Avenue site is currently occupied by Skorr Steel Company, a stainless steel supplier; the 111 Gardner is occupied by Filco Carting, which operates a rubbish removal service and rents roll-off containers.

The Property appears to have been undeveloped land in 1888 and developed with an iron and steel works building at 140 Stewart Avenue and a liquid bleach manufacturer by 1933. In 1965, a warehouse and office building are located at 111 Gardner Avenue. The bleach house was no longer located on the Property by 2001. According to available information from the NYC Department of Buildings, the structure at 140 Stewart Avenue was built in 1931, and the structure at 111 Gardner Avenue in 1964.

The following environmentally sensitive activities have been conducted at the Property:

- Filco Carting utilizes a portion of their building as an active truck maintenance garage for routine maintenance and repair the trucks that are part of Filco Carting. The garage uses degreasers, lubricants, hydraulic oils and antifreeze and all are stored in tanks, 55-gallon drums and other assorted containers. Housekeeping was noted to be poor. Based on the observed conditions, there is the potential for the related use and disposal of these hazardous materials to have impacted environmental conditions at the Property.
- Historical activities included a chemical company/liquid bleach manufacturer that operated from at least 1933 to 1992. Based on the review of Sanborn Maps, the manufacturing operations were conducted in a set of connecting buildings on the southeastern portion of this parcel. Regulatory records, further discussed below, indicate chemicals were stored in four ASTs and drums; however, data included in the regulatory database only date back to

the 1980s. No information is known on the use, storage or disposal of hazardous materials or the chlorine manufacturing operations prior to the 1980s.

As a result, a Phase II limited subsurface investigation was conducted on January 21, 2016, that consisted of the advancement of eleven (11) soil borings and four (4) temporary monitoring wells. Evidence of a soil and groundwater impact was detected during this investigation.

The laboratory analytical report indicated that numerous metals (mercury, arsenic, cadmium, chromium, lead, and selenium) were detected in one or more soil samples at concentrations above the NYSDEC Unrestricted SCOs. Mercury, arsenic, and lead were detected in one or more of the soil samples at concentrations that exceed the NYSDEC SCO for Industrial properties. Dissolved arsenic, mercury, and lead were detected in one or more of the groundwater samples at concentrations above the NYSDEC Water Quality Standards (WQS).

In addition to the metals, various PAHs [benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(ah)anthracene and ideno(123-cd)pyrene] were detected in one or more of the soil samples above the NYSDEC Unrestricted SCO, and benzo(a)pyrene was detected in one soil sample above the NYSDEC SCO for Industrial properties. Also, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and ideno(123-cd)pyrene were detected in one or more of the water samples above the NYSDEC WQS.

The laboratory report also indicated that various VOCs were detected in one of the groundwater samples above the NYSDEC WQS. The VOCs included the chlorinated solvent PCE and its breakdown compounds (TCE, cis-1,2-DCE, and vinyl chloride). These compounds were also detected in the soil samples from S-8 and S-9; however, the concentrations were below the NYSDEC Unrestricted SCOs.

Based on the analytical results, GRS | Corteq was retained to conduct soil and groundwater delineation sampling at the property. The findings of the additional investigation are presented in the following sections.

SCOPE OF WORK

Health and Safety Plan

GRS | CORTEQ developed a Health and Safety Plan that was specific to the Property. The development of this plan is required by the Occupational Safety and Health Administration (OSHA) under Hazardous Waste Operations & Emergency Response 29 CFR 1910.120. The Health and Safety Plan was designed to reduce the risk of physical or chemical exposures that may affect on-site workers in the proposed work area. The Health and Safety Plan includes information about chemicals expected on the property, health and safety procedures, and emergency response procedures. The Health and Safety Plan is on file at our office.

Utility Locating

A utility inspection was performed at the Property at least 48 hours prior to the initiation of the subsurface investigation, as required by New York law. This inspection consisted of the marking the underground utility locations by authorized utility locating personnel.

Subsurface Investigation

Soil Borings

Twenty-two (22) soil borings were advanced on the property on February 24-26, 2016, using a direct push Geoprobe drill rig. Each soil boring was advanced to a depth of 10 feet below grade level (BGL) where groundwater was encountered in each boring. Soil boring locations are described below and depicted on Figure 2 in the appendices.

Eight soil borings (DS-1 through DS-8) were advanced in the southern portion of the Filco property around previous sample locations S-4 and S-8/GW-3 where VOC, PAH, and metal impact was detected. Five borings (DS-9 through DS-14) were advanced in the northern portion of the property in the vicinity of previous samples S-10/GW-4 and S-11 where metal and/or PAH impact was detected. Four soil borings (DS-15 through DS-18) were advanced adjacent to the northern corner of the Skorr Steel building near the previous sample S-2 where metal and PAH impact was detected. Finally, four soil borings (DS-19 through DS-22) were advanced at the western end of the Skorr Steel property near previous soil boring S-1 where metal and PAH impact was detected.

Continuous soil samples were collected from the borings with a five-foot long, stainless-steel macro core lined with disposable acetate sleeves to the terminal depths. Soil encountered at the Property consisted mainly of dark brown and black sand. Soil samples were collected at intervals at three, six, and nine feet BGL in the borings and designated as A, B, and C samples, respectively. Due to heavy rains and soft soil conditions, there was limited recovery in some of the liners. Therefore, in these borings, representative samples were collected from three feet and either six or nine feet BGL.

Groundwater Sampling

In order to evaluate groundwater quality, four monitoring wells were installed at the property. Monitoring well MGW-1 was advanced in the northeast corner of the Filco site, MGW-2 was installed near previous sample S-8/GW-3 in the southern portion of the Filco site, MGW-3 was installed near the southern corner of the Filco building, and MGW-4 was installed on the north side of the Skorr Steel building.

The monitoring wells were installed at depths of 18 feet BGL. The wells consisted of pre-packed 2.0-inch diameter PVC well screen (10-foot length) and riser pipe to the surface. The annular space around the casing was backfilled with filter sand followed by bentonite. Following the construction, a submersible pump was used to develop the wells, and then groundwater samples were collected and placed into laboratory glassware.

To determine the groundwater flow direction, the wells were surveyed relative to each other and the water levels were gauged. Based on the survey data collected, the groundwater flow direction was determined to be to the west-southwest. The potentiometric data is depicted on Figure 4 in the appendices.

It was originally proposed to finish each well with a concrete pad and bolt-down manhole; however, during the investigation, GRS | CORTEQ noted that the current operations utilize several forklifts to move around empty dumpsters and roll-off containers and there is heavy truck traffic throughout the site. Therefore, to prevent damage to the well pads and casings, which could result in the opening of a direct contamination pathway to groundwater, GRS | CORTEQ received permission to abandon the wells with grout following the sampling and surveying.

Laboratory Results

The soil and groundwater samples were transported under chain of custody to ESC Lab Sciences, Inc., a certified laboratory located in Mt Juliet, Tennessee. Sixty (60) soil samples (one from each boring) were analyzed for PAHs via EPA Method 8270 and RCRA 8 metals by EPA Method 6010/7471. Nineteen (19) soil samples (borings DS-1 through DS-8) were also analyzed for VOCs by EPA 8260. Water samples were analyzed for VOCs by EPA Method 8260, PAHs via EPA Method 8270 and dissolved RCRA 8 metals by EPA Method 6010/7471.

SOIL ANALYTICAL RESULTS

According to the laboratory report, numerous metals, PAHs, and VOCs were detected in one or more of the soil samples above the laboratory method detection limits (MDLs).

The results were compared to the NYSDEC Unrestricted Use Soil Cleanup Objectives (USCOs). During the previous Phase II, the results were also compared to ISCOs (Soil Cleanup Objectives for Industrial Sites) based on the current industrial usage. However, based on the reported future commercial usage of the

site, GRS | Corteq compared the results of this investigation to the Unrestricted Soil Cleanup Objective for Protection of Public Health at Commercial use properties (CSCOs).

The soil analytical results are provided in Table 1 of the appendices and are summarized below:

- **DS-1** – Numerous metals and PAHs were detected above the USCOs. Arsenic, barium, lead, mercury, and five PAHs were also detected above the CSCOs. The concentrations were noted to generally increase in depth.
- **DS-2 & DS-3** – Various metals were detected above the USCOs. Of these, the concentrations of barium, arsenic, and chromium were detected above the CSCOs. Impact was noted down to 9.0 feet in DS-2 and 6.0 feet BGL in DS-3.
- **DS-4** – Various metals and PAHs were detected above the USCOs. Concentrations of arsenic, barium, and two PAHs were also detected in the deeper sample above the CSCOs.
- **DS-5** – Various metals were detected above the USCOs. Mercury was detected in the 6.0 feet BGL sample above the CSCO, but was below in the deeper sample.
- **DS-6** – No compounds were detected above the SCOS.
- **DS-7** – Various PAHs and metals were detected above the USCOs. The concentration of one PAH was detected in the deeper sample above the CSCO.
- **DS-8** – Various metals and VOCs (chlorinated solvents) were detected above the USCOs. The concentrations of the metals were observed to increase in depth and barium was detected above the CSCO. The solvents were noted to reduce in concentration from 6.0 to 9.0 feet BGL, and the concentrations were below the CSCOs.
- **DS-9** – Various metals and PAHs were detected above the USCOs. The concentrations were noted to generally decrease with depth, but the concentration of lead and one PAH were above the CSCO in the shallowest sample.
- **DS-10** – Various metals and PAHs were detected above the USCOs. Arsenic was detected above the CSCO in the shallow sample, but the concentrations were noted to reduce with depth. Mercury was detected above the CSCOs in the deeper samples, and the concentrations were noted to increase with depth. Also, one PAH was detected in the sample above the CSCO at 3.0 feet and 9.9 feet BGL .
- **DS-11** – Various metals and PAHs were detected above the USCOs. The concentrations of barium and one PAH exceeded the CSCO.
- **DS-12** - Numerous metals and PAHs were detected above the USCOs. Arsenic, barium, lead, mercury, and one PAH were detected above the CSCOs.
- **DS-13** – Various metals were detected above the USCOs. None of the concentrations were above the CSCOs.

- **DS-14** – Various metals and PAHs were detected above the USCOs. The concentration of one PAH and mercury in the shallow soil sample exceeded the CSCOs. Concentrations were noted to generally decrease with depth.
- **DS-15** – Various metals and PAHs were detected above the USCOs. The concentrations of arsenic, lead, mercury and 10 PAHs exceeded the CSCOs. Metals were detected in each sample interval, while PAHs generally decreased with depth.
- **DS-16** – Various metals and PAHs were detected above the USCOs. The concentrations of arsenic and mercury in the shallow sample exceeded the CSCOs, and the concentrations of lead and five PAHs exceeded the CSCOs in the deepest sample.
- **DS-17** - Various metals and PAHs were detected above the USCOs. The concentrations of mercury in the deepest sample exceeded the CSCOs. PAHs were noted to decrease with depth.
- **DS-18 & DS-19** – Various metals were detected above the USCOs. None of the concentrations were above the CSCOs.
- **DS-20** – Various metals and PAHs were detected above the USCOs. Arsenic and two PAHs were detected in the deeper samples above the CSCOs. Concentrations were noted to generally increase in depth.
- **DS-21** - Various metals and PAHs were detected above the USCOs. Arsenic, barium, lead, mercury, and one PAH were detected above the CSCOs. Concentrations were noted to generally increase in depth for metals and decrease for PAHs.
- **DS-22** - Various metals and PAHs were detected above the USCOs. Barium, lead and two PAHs were detected in the deeper samples above the CSCOs. Concentrations were noted to generally increase in depth for metals and decrease for PAHs.

GROUNDWATER ANALYTICAL RESULTS

According to the laboratory report, numerous metals, PAHs, and VOCs were detected in one or more of the samples above the laboratory MDLs.

The results were compared to the NYSDEC Water Quality Standards (WQS). The analytical results are presented in Table 2 of the appendices and summarized below:

- **MGW-1** – Arsenic was detected above the WQS. No other compounds were detected above the MDL and/or WQS.
- **MGW-2** – Eleven VOCs and five PAHs were detected above the WQS. Of the detected VOCs, chlorinated solvents tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride were above the WQS of 5.0 micrograms per liter (ug/L), with PCE at the highest level (34,900 ug/L).
- **MGW-3** – Metals arsenic, chromium, lead, and mercury were detected above the WQS. No other compounds were detected above the MDL and/or WQS.
- **MGW-4** – Arsenic, lead, PCE, and five PAHs were detected above the WQS. No other compounds were detected above the MDL and/or WQS.

A copy of the laboratory report is included in the appendices.

CONCLUSIONS

Evidence of a soil and groundwater impact was detected during this investigation.

The laboratory analytical report indicated that numerous metals (mercury, arsenic, cadmium, chromium, and lead) were detected in numerous soil samples at concentrations above the NYSDEC Unrestricted SCOs and Commercial SCOs. Dissolved arsenic, mercury, chromium, and lead were detected in one or more of the groundwater samples at concentrations above the NYSDEC Water Quality Standards (WQS).

In addition to the metals, various PAHs were detected in the soil samples above the NYSDEC Unrestricted SCO and Commercial Use SCO. Also, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and benzo(a)pyrene were detected in one of the water samples above the NYSDEC WQS.

The laboratory report also indicated that various VOCs were detected in one of the groundwater samples above the NYSDEC WQS, including PCE and its breakdown compounds (TCE and vinyl chloride). Chlorinated solvents were also detected in the soil one of the samples collected in this area above the USCOs; however, the concentrations were below the Commercial SCOs.

Based on the analytical results, evidence of metal, PAH, and VOC impact was detected at the property. As a result, GRS | Corteq recommends that, a Soil Management Plan (SMP) be completed prior to or concurrent with any proposed re-development of the site. Impacted soils that will be disturbed for future construction should be excavated and transported off-site for disposal at a certified landfill.

Figure 3 depicts the approximate extent of impact based on the sampling conducted during this investigation and the previous Phase II.

During the proposed redevelopment of the Property GRS | Corteq understands that soil may be excavated site to depth of 12 feet to install a basement area. GRS | Corteq concurs that the best management practice would be to remove the impacted soil through a SMP. Based on the contaminant levels, capping impacted soil is not recommended, since deed restrictions may be required for the site if the impacted soil is to remain in place. GRS | Corteq suggests the SMP require all soils above the USCOs be removed and disposed of at an approved landfill. It should be noted that some soils will be classified hazardous material based on the concentrations of the metals and some will be considered as non-hazardous material. Therefore, the SMP should be developed to handle both hazardous and non-hazardous soils. Field screening of excavated soils may be required along with additional sampling to control hazardous versus non-hazardous soils.

Given the historical use of the property and the detection of metals, VOCs, and PAHs in the water samples, soil sampling is also recommended underneath the current buildings once they are demolished to determine if impacted material is also present. This can be completed through the SMP. Impacted areas should be excavated and hauled off-site for disposal. In addition, de-watering activities may be required if the foundations or construction areas are to extend past ten feet BGL or into the water table. GRS | Corteq recommends remedial activities be conducted a qualified environmental professional per the SMP.

Due to the PCE levels and TCE levels in groundwater, vapor intrusion is a concern. Therefore, the development of the site should include a vapor intrusion barrier for the basement foundation. Costs for a vapor barrier should be included in the construction details of the basement and would not be considered environmental cost. Once the building is completed, it may be prudent to conduct indoor air sampling for chlorinated solvents to verify the vapor barrier is effectively controlling any sub slab vapors from entering the building.

Based on the chlorinated solvent impact detected in the central portion of the property (MGW-2) and in the down-gradient well (MGW-4), an area of impacted soil may be present within the central portion of the property. This area is within the area of PAH and metal impact, and therefore, should be excavated along with the other contaminated soil.

GRS | CORTEQ has provided the following steps and estimated costs to address the environmental concerns identified:

1. Report identified impacts to NYSDEC and open a discussion with NYSDEC to develop the Property;
2. Develop a SMP that will also involve a Health and Safety Plan for worker protection;
3. Sample under the buildings and during construction as designed through the SMP;

4. Discuss deed restrictions due to the levels of PCE and TCE detected in groundwater. Long-term monitoring activities, which would include the drilling of future monitoring wells, may be required. If such monitoring is required, monitoring wells should be installed once foundations are set so compliance monitoring can be completed over several years.
5. If dewatering is completed, then the completion of a Groundwater Management Plan (GMP) may be required. Concerns with the PCE and TCE must be addressed within such a GMP. Cost for dewatering could be expensive due to the levels of impact detected. If dewatering can be avoided in the development of the site, then GRS | CORTEQ recommends considering these other options.

Description	Low	Middle	High
Prepare SMP	\$6,800	\$7,500	\$8,300
NYSDEC Meetings/Consultation	\$4,500	\$7,800	\$9,500
Prepare GMP, if needed	\$6,800	\$7,500	\$8,300
Additional Sampling Under Buildings	\$25,000	\$34,500	\$47,800
Soil Excavation	\$662,000	\$795,000	\$1,060,000
Labor	\$40,000	\$52,000	\$70,000
Monitoring Only	\$25,000	\$32,000	\$41,000

De-Watering Analysis	
Water Disposal	1 gallon/minute to 5 gallons/minute
Stripping Tower Estimate	\$40,000 to \$55,000
Tanker and Disposal I	\$0.35/gallon to \$2.00/gallon
Permits	\$5,000 to \$12,000
Sampling	\$25,500 to \$30,200
Labor/Operator	\$45,000 to \$55,000
Reporting	\$15,000 to \$22,000

Soil Vapor Barrier Installation	
Vapor Barrier Paint per gallon cost	\$40 to \$90 per gallon
Visqueen	\$110 to \$500 per roll
Labor	\$25,000-\$35,000
Indoor Air Sampling Following Building Completion	\$15,000-\$17,000

CERTIFICATION AND RELIANCE

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The conclusions represent professional judgments founded upon the findings of the investigations identified in the report and the interpretation of such data based on our experience and expertise according to the existing standard of care. No other warranty or limitation exists, either expressed or implied.

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DRAFT

Austin Hewitt
Field Professional

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John T. Burkart
Director of Environmental Services

Mark Halloran
Director

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TABLE 1
Soil Analytical Report
140 Stewart Ave 111 Gardner Ave
Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-1A 3'	DS-1B 6'	DS-1C 9'	DS-2A 3'	DS-2B 9'	DS-3A 3'	DS-3B 6'
ARSENIC	13	16	24.1	31.9	263	8.53	25.3	2.56	5.75
BARIUM	350	400	423	116	2140	1,790	95.8	127	173
CADMIUM	2.5	9.3	4.45	ND	1.57	0.776	ND	0.833	0.657
CHROMIUM	30	400	44.4	38.3	64.8	48.2	41.6	18.1	457
LEAD	63	1,000	933	173	4,400	287	88.9	339	343
SELENIUM	3.9	1,500	ND	ND	ND	ND	ND	ND	ND
SILVER	2	1,500	ND	ND	ND	ND	ND	ND	ND
MERCURY	0.18	2.8	1.31	0.638	5.67	0.266	0.316	0.435	1.71
ACETONE	0.05	1,000	ND	0.0592	0.34	NA	ND	ND	ND
BENZENE	0.06	89	ND	0.00159	0.00222	NA	ND	ND	ND
SEC-BUTYLBENZENE	NE	NE	ND	ND	ND	NA	ND	ND	ND
CARBON TETRACHLORIDE	0.76	22	ND	ND	ND	NA	ND	0.00517	ND
CHLOROFORM	0.37	350	0.0922	ND	ND	NA	ND	0.0459	0.0358
2-CHLOROTOLUENE	NE	NE	ND	0.00178	ND	NA	ND	ND	ND
1,2-DICHLOROBENZENE	1.1	500	ND	0.00709	0.00452	NA	ND	0.00176	0.0116
1,4-DICHLOROBENZENE	1.8	130	ND	ND	ND	NA	ND	ND	0.00151
1,1-DICHLOROETHANE	0.27	240	ND	ND	ND	NA	ND	ND	ND
1,1-DICHLOROETHENE	0.33	500	ND	ND	ND	NA	ND	ND	ND
CIS-1,2-DICHLOROETHENE	0.25	500	0.016	0.00178	0.00353	NA	0.00258	0.0195	0.0832
TRANS-1,2-DICHLOROETHENE	0.19	500	ND	ND	ND	NA	ND	ND	ND
ETHYLBENZENE	1	390	ND	ND	ND	NA	ND	ND	ND
P-ISOPROPYLtolUENE	NE	NE	ND	ND	0.00325	NA	ND	ND	ND
2-BUTANONE (MEK)	0.12	500	ND	ND	0.0601	NA	ND	ND	ND
METHYL TERT-BUTYL ETHER	0.93	500	ND	ND	ND	NA	ND	ND	ND
NAPHTHALENE	12	1,000	ND	ND	0.139	NA	ND	ND	ND
N-PROPYLBENZENE	3.9	500	ND	ND	ND	NA	ND	ND	ND
TETRACHLOROETHENE	1.3	300	0.0411	0.00133	ND	NA	0.00711	0.112	0.111
TOLUENE	0.7	500	ND	ND	ND	NA	ND	ND	ND
1,2,3-TRICHLOROBENZENE	NE	NE	ND	ND	ND	NA	ND	0.00126	ND
1,1,1-TRICHLOROETHANE	NE	NE	ND	ND	ND	NA	ND	ND	ND
TRICHLOROETHENE	0.47	400	0.0182	ND	ND	NA	ND	0.011	0.0215
1,2,4-TRIMETHYLBENZENE	3.6	190	ND	ND	0.00217	NA	ND	ND	ND
1,2,3-TRIMETHYLBENZENE	NE	NE	ND	ND	0.00498	NA	ND	ND	ND
VINYL CHLORIDE	0.02	13	ND	0.00135	ND	NA	ND	ND	0.00302
1,3,5-TRIMETHYLBENZENE	8.4	190	ND	ND	ND	NA	ND	ND	ND
XYLENES, TOTAL	0.26	500	ND	ND	ND	NA	ND	ND	ND
ANTHRACENE	100	500	1.18	0.123	39	0.0569	0.0171	ND	0.116
ACENAPHTHENE	100	500	ND	0.044	8.42	ND	0.00769	ND	0.0406
ACENAPHTHYLENE	20	500	ND	ND	7.88	ND	ND	ND	ND
BENZO(A)ANTHRACENE	1	5.6	1.99	0.325	59	0.149	0.0667	ND	0.276
BENZO(A)PYRENE	1	1	1.45	0.312	43.3	0.145	0.0723	ND	0.231
BENZO(B)FLUORANTHENE	1	5.6	1.85	0.372	53.3	0.176	0.0809	ND	0.321
BENZO(G,H,I)PERYLENE	100	500	0.839	0.187	21.9	0.1	0.0439	ND	0.148
BENZO(K)FLUORANTHENE	0.8	56	0.638	0.0997	17.7	0.0621	0.0239	ND	0.107
CHRYSENE	1	56	1.87	0.281	44.1	0.139	0.0625	ND	0.248
DIBENZ(A,H)ANTHRACENE	0.33	0.56	ND	0.0457	7.38	ND	0.0141	ND	0.0429
FLUORANTHENE	100	500	5.05	0.713	141	0.327	0.105	ND	0.837
FLUORENE	30	500	0.778	0.0484	33.5	ND	0.0089	ND	0.0507
INDENO(1,2,3-CD)PYRENE	0.5	5.6	0.698	0.153	21.4	0.0801	0.0378	ND	0.125
NAPHTHALENE	12	500	ND	0.0483	17.7	ND	0.0543	ND	0.0387
PHENANTHRENE	100	500	5.52	0.475	220	0.176	0.0561	ND	0.507
PYRENE	100	500	4.4	0.776	123	0.31	0.127	ND	0.459
1-METHYLNAPHTHALENE	NE	NE	ND	ND	8.67	ND	ND	ND	ND
2-METHYLNAPHTHALENE	NE	NE	ND	ND	9.93	ND	ND	ND	ND

Results reported in milligrams per kilogram (mg/kg)

ND - Not detected above the MDL

USCO - Unrestricted Use Soil Cleanup Objective

CSCO - Restricted Use Soil Cleanup Objective - Commercial, Direct Contact

NE - NYSDEC criteria not established

Bold indicates concentration is above SCO

Highlight indicates concentration is above CSCO

TABLE 1
Soil Analytical Report
140 Stewart Ave 111 Gardner Ave
Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-3C 9'	DS-4A 3'	DS-4C 6'	DS-5A 3'	DS-5B 6'	DS-5C 9'	DS-6A 3'
ARSENIC	13	16	ND	5.55	32.9	3.07	6.19	4.28	ND
BARIUM	350	400	33.3	59	514	91.6	51.8	55.7	64.7
CADMIUM	2.5	9.3	ND	ND	ND	ND	ND	ND	ND
CHROMIUM	30	400	24.5	15.1	41.2	47.6	69.3	14	8.83
LEAD	63	1,000	22.1	90.6	587	69.5	41.1	117	54
SELENIUM	3.9	1,500	ND	ND	ND	ND	ND	ND	ND
SILVER	2	1,500	ND	ND	ND	ND	ND	ND	ND
MERCURY	0.18	2.8	0.416	0.18	0.936	1.95	4.05	0.749	0.0671
ACETONE	0.05	1,000	ND	ND	ND	ND	ND	ND	ND
BENZENE	0.06	89	ND	ND	ND	ND	ND	ND	ND
SEC-BUTYLBENZENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
CARBON TETRACHLORIDE	0.76	22	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	0.37	350	ND	ND	0.00729	0.0134	ND	ND	ND
2-CHLOROTOLUENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROBENZENE	1.1	500	0.00122	ND	0.00575	ND	ND	ND	ND
1,4-DICHLOROBENZENE	1.8	130	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	0.27	240	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	0.33	500	ND	ND	ND	ND	ND	ND	ND
CIS-1,2-DICHLOROETHENE	0.25	500	0.00459	0.0205	0.0158	0.0306	0.00122	ND	ND
TRANS-1,2-DICHLOROETHENE	0.19	500	ND	ND	0.00207	ND	0.00289	ND	ND
ETHYLBENZENE	1	390	ND	ND	ND	ND	ND	ND	ND
P-ISOPROPYLtolUENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
2-BUTANONE (MEK)	0.12	500	ND	ND	ND	ND	ND	ND	ND
METHYL TERT-BUTYL ETHER	0.93	500	ND	ND	ND	ND	ND	ND	ND
NAPHTHALENE	12	1,000	ND	ND	ND	ND	ND	ND	ND
N-PROPYLBENZENE	3.9	500	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	1.3	300	0.00324	0.0318	0.00642	0.0142	0.00219	ND	0.00242
TOLUENE	0.7	500	ND	ND	ND	ND	ND	ND	ND
1,2,3-TRICHLOROBENZENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
1,1,1-TRICHLOROETHANE	NE	NE	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	0.47	400	0.00264	0.00627	0.0034	0.0178	0.00131	ND	ND
1,2,4-TRIMETHYLBENZENE	3.6	190	ND	ND	ND	ND	ND	ND	ND
1,2,3-TRIMETHYLBENZENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	0.02	13	ND	ND	0.0118	0.0136	ND	ND	ND
1,3,5-TRIMETHYLBENZENE	8.4	190	ND	ND	ND	ND	ND	ND	ND
XYLEMES, TOTAL	0.26	500	ND	ND	ND	ND	ND	ND	ND
ANTHRACENE	100	500	ND	0.136	2.01	0.198	ND	0.0288	ND
ACENAPHTHENE	100	500	ND	0.0553	0.771	ND	ND	0.0101	ND
ACENAPHTHYLENE	20	500	ND	ND	ND	ND	ND	0.0109	ND
BENZO(A)ANTHRACENE	1	5.6	ND	0.331	4.64	0.699	ND	0.157	ND
BENZO(A)PYRENE	1	1	ND	0.326	4.32	0.645	ND	0.154	ND
BENZO(B)FLUORANTHENE	1	5.6	ND	0.304	5.42	0.788	ND	0.179	ND
BENZO(G,H,I)PERYLENE	100	500	ND	0.231	2.71	0.397	ND	0.0685	ND
BENZO(K)FLUORANTHENE	0.8	56	ND	0.12	1.58	0.203	ND	0.0523	ND
CHRYSENE	1	56	ND	0.301	4.49	0.655	ND	0.143	ND
DIBENZ(A,H)ANTHRACENE	0.33	0.56	ND	0.0549	0.686	0.104	ND	0.029	ND
FLUORANTHENE	100	500	0.0116	0.495	11.3	1.39	0.116	0.202	ND
FLUORENE	30	500	ND	0.0373	0.997	ND	ND	0.0102	ND
INDENO(1,2,3-CD)PYRENE	0.5	5.6	ND	0.145	2.16	0.323	ND	0.0698	ND
NAPHTHALENE	12	500	ND	0.0252	ND	ND	ND	ND	ND
PHENANTHRENE	100	500	0.00962	0.462	10.6	0.676	0.0742	0.0944	ND
PYRENE	100	500	0.0119	0.71	10.9	1.42	0.111	0.222	ND
1-METHYLNAPHTHALENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
2-METHYLNAPHTHALENE	NE	NE	ND	ND	ND	ND	ND	ND	ND

Results reported in milligrams per kilogram (mg/kg)

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NE - NYSDEC criteria not established

Bold indicates concentration is above SCO

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TABLE 1
Soil Analytical Report
140 Stewart Ave 111 Gardner Ave
Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-6B 6'	DS-7A 3'	DS-7B 6'	DS-8A 3'	DS-8B 6'	DS-8C 9'	DS-9A 3'
ARSENIC	13	16	4.44	4.71	2.65	4.28	10.5	2.71	10
BARIUM	350	400	63.7	62.8	48.8	75.5	983	5,570	189
CADMIUM	2.5	9.3	ND	ND	ND	ND	1.94	ND	0.718
CHROMIUM	30	400	23.4	18.2	17.2	19.8	37.8	91.7	25.2
LEAD	63	1,000	46	583	47.8	247	984	69.1	3,900
SELENIUM	3.9	1,500	ND	ND	ND	ND	ND	2.42	ND
SILVER	2	1,500	ND	ND	ND	ND	ND	ND	ND
MERCURY	0.18	2.8	0.11	0.53	0.449	0.252	2.59	0.204	2.08
ACETONE	0.05	1,000	ND	ND	ND	ND	ND	0.0889	NA
BENZENE	0.06	89	ND	ND	ND	ND	ND	ND	NA
SEC-BUTYLBENZENE	NE	NE	ND	ND	ND	ND	ND	ND	NA
CARBON TETRACHLORIDE	0.76	22	ND	ND	ND	ND	ND	ND	NA
CHLOROFORM	0.37	350	ND	ND	ND	ND	0.327	ND	NA
2-CHLOROTOLUENE	NE	NE	ND	ND	ND	ND	ND	ND	NA
1,2-DICHLOROBENZENE	1.1	500	ND	ND	ND	ND	ND	0.00278	NA
1,4-DICHLOROBENZENE	1.8	130	ND	ND	ND	ND	ND	ND	NA
1,1-DICHLOROETHANE	0.27	240	ND	ND	ND	ND	ND	ND	NA
1,1-DICHLOROETHENE	0.33	500	ND	ND	ND	ND	ND	ND	NA
CIS-1,2-DICHLOROETHENE	0.25	500	ND	ND	ND	22.1	15	0.00901	NA
TRANS-1,2-DICHLOROETHENE	0.19	500	ND	ND	ND	0.00124	0.0531	ND	NA
ETHYLBENZENE	1	390	ND	ND	ND	ND	ND	ND	NA
P-ISOPROPYLtolUENE	NE	NE	ND	ND	ND	ND	ND	ND	NA
2-BUTANONE (MEK)	0.12	500	ND	ND	ND	ND	ND	ND	NA
METHYL TERT-BUTYL ETHER	0.93	500	ND	ND	ND	ND	ND	ND	NA
NAPHTHALENE	12	1,000	ND	ND	ND	ND	ND	ND	NA
N-PROPYLBENZENE	3.9	500	ND	ND	ND	ND	ND	ND	NA
TETRACHLOROETHENE	1.3	300	ND	ND	ND	127	102	0.0194	NA
TOLUENE	0.7	500	ND	ND	ND	ND	ND	ND	NA
1,2,3-TRICHLOROBENZENE	NE	NE	ND	ND	ND	ND	ND	ND	NA
1,1,1-TRICHLOROETHANE	NE	NE	ND	ND	ND	ND	0.189	ND	NA
TRICHLOROETHENE	0.47	400	ND	ND	ND	0.0507	6.25	0.00183	NA
1,2,4-TRIMETHYLBENZENE	3.6	190	ND	ND	ND	ND	ND	ND	NA
1,2,3-TRIMETHYLBENZENE	NE	NE	ND	ND	ND	ND	ND	ND	NA
VINYL CHLORIDE	0.02	13	ND	ND	ND	0.00487	0.0782	0.00137	NA
1,3,5-TRIMETHYLBENZENE	8.4	190	ND	ND	ND	ND	ND	ND	NA
XYLENES, TOTAL	0.26	500	ND	ND	ND	ND	ND	ND	NA
ANTHRACENE	100	500	0.0538	0.0205	3.02	ND	0.11	0.00723	0.35
ACENAPHTHENE	100	500	ND	0.0133	0.221	ND	ND	ND	0.106
ACENAPHTHYLENE	20	500	ND	0.0104	0.197	ND	ND	ND	ND
BENZO(A)ANTHRACENE	1	5.6	0.0864	0.116	3.58	0.139	0.244	0.0148	1.11
BENZO(A)PYRENE	1	1	0.0786	0.109	2.3	ND	0.253	0.0136	1.01
BENZO(B)FLUORANTHENE	1	5.6	0.0874	0.129	2.74	ND	0.311	0.0201	1.34
BENZO(G,H,I)PERYLENE	100	500	0.0454	0.056	1.05	ND	0.177	0.0105	0.64
BENZO(K)FLUORANTHENE	0.8	56	ND	0.0413	0.995	ND	0.088	ND	0.413
CHRYSENE	1	56	0.0819	0.101	2.48	ND	0.231	0.0158	1.16
DIBENZ(A,H)ANTHRACENE	0.33	0.56	ND	0.0204	0.396	ND	ND	ND	0.177
FLUORANTHENE	100	500	0.198	0.185	8.55	0.221	0.562	0.0335	2.32
FLUORENE	30	500	ND	0.0104	1.95	ND	ND	ND	0.185
INDENO(1,2,3-CD)PYRENE	0.5	5.6	ND	0.0549	0.987	ND	0.141	0.00791	0.515
NAPHTHALENE	12	500	ND	0.0417	ND	ND	ND	ND	0.29
PHENANTHRENE	100	500	0.136	0.0717	15	ND	0.306	0.0169	1.39
PYRENE	100	500	0.205	0.198	7.74	0.225	0.535	0.0352	2.2
1-METHYLNAPHTHALENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
2-METHYLNAPHTHALENE	NE	NE	ND	ND	ND	ND	ND	ND	ND

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Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-9B 6'	DS-9C 9'	DS-10A 3'	DS-10B 6'	DS-10C 9'	DS-11A 3'	DS-11B 9'
ARSENIC	13	16	2.41	ND	22.8	11.3	ND	ND	5.06
BARIUM	350	400	54.5	63.7	289	67.2	230	702	718
CADMIUM	2.5	9.3	ND	ND	2.06	ND	ND	ND	1.4
CHROMIUM	30	400	13.6	26.7	32.2	14.8	39.1	37.2	47.7
LEAD	63	1,000	60.8	36.6	506	94.6	615	565	310
SELENIUM	3.9	1,500	ND	ND	ND	ND	ND	ND	ND
SILVER	2	1,500	ND	ND	ND	ND	ND	ND	ND
MERCURY	0.18	2.8	0.51	1.13	0.651	3.53	52.3	0.99	0.68
ACETONE	0.05	1,000	NA	NA	NA	NA	NA	NA	NA
BENZENE	0.06	89	NA	NA	NA	NA	NA	NA	NA
SEC-BUTYLBENZENE	NE	NE	NA	NA	NA	NA	NA	NA	NA
CARBON TETRACHLORIDE	0.76	22	NA	NA	NA	NA	NA	NA	NA
CHLOROFORM	0.37	350	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NE	NE	NA	NA	NA	NA	NA	NA	NA
1,2-DICHLOROBENZENE	1.1	500	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	1.8	130	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHANE	0.27	240	NA	NA	NA	NA	NA	NA	NA
1,1-DICHLOROETHENE	0.33	500	NA	NA	NA	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	0.25	500	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	0.19	500	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	1	390	NA	NA	NA	NA	NA	NA	NA
P-ISOPROPYLtolUENE	NE	NE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE (MEK)	0.12	500	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	0.93	500	NA	NA	NA	NA	NA	NA	NA
NAPHTHALENE	12	1,000	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	3.9	500	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	1.3	300	NA	NA	NA	NA	NA	NA	NA
TOLUENE	0.7	500	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NE	NE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NE	NE	NA	NA	NA	NA	NA	NA	NA
TRICHLOROETHENE	0.47	400	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	3.6	190	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NE	NE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	0.02	13	NA	NA	NA	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	8.4	190	NA	NA	NA	NA	NA	NA	NA
XYLENES, TOTAL	0.26	500	NA	NA	NA	NA	NA	NA	NA
ANTHRACENE	100	500	ND	0.139	0.386	ND	0.696	0.24	0.957
ACENAPHTHENE	100	500	ND	0.053	0.284	0.272	0.319	0.114	0.389
ACENAPHTHYLENE	20	500	ND	ND	ND	ND	ND	ND	ND
BENZO(A)ANTHRACENE	1	5.6	ND	0.194	1.29	0.147	1.72	0.664	1.72
BENZO(A)PYRENE	1	1	ND	0.161	1.21	0.241	1.53	0.555	1.41
BENZO(B)FLUORANTHENE	1	5.6	0.944	0.167	1.43	0.189	1.62	0.671	1.84
BENZO(G,H,I)PERYLENE	100	500	ND	0.0885	0.753	0.2	0.919	0.338	0.855
BENZO(K)FLUORANTHENE	0.8	56	ND	0.0528	0.419	ND	0.514	0.216	0.559
CHRYSENE	1	56	0.734	0.152	1.13	0.18	1.49	0.553	1.48
DIBENZ(A,H)ANTHRACENE	0.33	0.56	ND	0.0221	0.198	ND	0.21	0.088	0.222
FLUORANTHENE	100	500	1.17	0.395	2.44	0.18	3.19	1.28	3.61
FLUORENE	30	500	ND	0.0673	0.236	ND	0.324	0.0956	0.339
INDENO(1,2,3-CD)PYRENE	0.5	5.6	ND	0.0722	0.582	ND	0.659	0.273	0.721
NAPHTHALENE	12	500	ND	ND	0.158	ND	0.341	0.0958	ND
PHENANTHRENE	100	500	1.04	0.509	1.18	0.199	2.47	0.995	3.03
PYRENE	100	500	1.3	0.456	2.86	0.231	4.1	1.37	3.56
1-METHYLNAPHTHALENE	NE	NE	ND	ND	ND	ND	ND	ND	ND
2-METHYLNAPHTHALENE	NE	NE	ND	0.0232	ND	ND	ND	ND	ND

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Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-12A 3'	DS-12B 6'	DS-12C 9'	DS-13A 3'	DS-13B 6'	DS-13C 9'	DS-14A 3'
ARSENIC	13	16	20.8	33.4	15.1	11.3	9.91	5.63	2.61
BARIUM	350	400	244	435	98.5	147	152	77.5	38.8
CADMIUM	2.5	9.3	1.5	ND	ND	ND	1.2	ND	ND
CHROMIUM	30	400	27.3	46.3	62.1	13.3	17.7	21	13.4
LEAD	63	1,000	331	1,110	286	364	380	279	12.3
SELENIUM	3.9	1,500	ND						
SILVER	2	1,500	ND	ND	3.61	ND	ND	ND	ND
MERCURY	0.18	2.8	0.331	1.06	95	0.249	0.477	0.201	6.24
ACETONE	0.05	1,000	NA						
BENZENE	0.06	89	NA						
SEC-BUTYLBENZENE	NE	NE	NA						
CARBON TETRACHLORIDE	0.76	22	NA						
CHLOROFORM	0.37	350	NA						
2-CHLOROTOLUENE	NE	NE	NA						
1,2-DICHLOROBENZENE	1.1	500	NA						
1,4-DICHLOROBENZENE	1.8	130	NA						
1,1-DICHLOROETHANE	0.27	240	NA						
1,1-DICHLOROETHENE	0.33	500	NA						
CIS-1,2-DICHLOROETHENE	0.25	500	NA						
TRANS-1,2-DICHLOROETHENE	0.19	500	NA						
ETHYLBENZENE	1	390	NA						
P-ISOPROPYLtolUENE	NE	NE	NA						
2-BUTANONE (MEK)	0.12	500	NA						
METHYL TERT-BUTYL ETHER	0.93	500	NA						
NAPHTHALENE	12	1,000	NA						
N-PROPYLBENZENE	3.9	500	NA						
TETRACHLOROETHENE	1.3	300	NA						
TOLUENE	0.7	500	NA						
1,2,3-TRICHLOROBENZENE	NE	NE	NA						
1,1,1-TRICHLOROETHANE	NE	NE	NA						
TRICHLOROETHENE	0.47	400	NA						
1,2,4-TRIMETHYLBENZENE	3.6	190	NA						
1,2,3-TRIMETHYLBENZENE	NE	NE	NA						
VINYL CHLORIDE	0.02	13	NA						
1,3,5-TRIMETHYLBENZENE	8.4	190	NA						
XYLENES, TOTAL	0.26	500	NA						
ANTHRACENE	100	500	0.323	0.115	1.12	0.0366	0.0555	0.0158	2.15
ACENAPHTHENE	100	500	ND	0.0408	0.856	0.013	0.0196	0.00839	0.685
ACENAPHTHYLENE	20	500	ND						
BENZO(A)ANTHRACENE	1	5.6	1.18	0.269	1.63	0.0306	0.181	0.0374	4.69
BENZO(A)PYRENE	1	1	1.16	0.237	1.3	0.0211	0.169	0.035	4.44
BENZO(B)FLUORANTHENE	1	5.6	1.94	0.346	1.59	0.0446	0.209	0.0402	5.21
BENZO(G,H,I)PERYLENE	100	500	0.76	0.17	0.745	0.0213	0.114	0.025	2.95
BENZO(K)FLUORANTHENE	0.8	56	0.449	0.108	0.448	ND	0.056	0.0128	1.55
CHRYSENE	1	56	1.56	0.336	1.65	0.117	0.176	0.0341	4.12
DIBENZ(A,H)ANTHRACENE	0.33	0.56	0.338	0.0505	0.189	0.0105	0.0295	ND	0.723
FLUORANTHENE	100	500	2.22	0.546	2.82	0.0443	0.355	0.0779	9.49
FLUORENE	30	500	0.152	0.0646	0.779	0.0164	0.0177	0.00751	0.752
INDENO(1,2,3-CD)PYRENE	0.5	5.6	0.599	0.134	0.581	0.0119	0.0874	0.0194	2.34
NAPHTHALENE	12	500	0.598	0.222	0.751	ND	ND	ND	0.429
PHENANTHRENE	100	500	1.21	0.489	4.01	0.102	0.233	0.0654	7.26
PYRENE	100	500	2.06	0.578	4.15	0.0634	0.398	0.0858	9.58
1-METHYLNAPHTHALENE	NE	NE	ND						
2-METHYLNAPHTHALENE	NE	NE	ND	0.234	ND	0.0348	ND	ND	ND

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ARSENIC	13	16	9.97	8.94	12.1	5.75	23.5	20.7	6.71
BARIUM	350	400	127	119	139	48.3	136	171	60
CADMIUM	2.5	9.3	1.26	1.54	ND	ND	1.2	ND	1.87
CHROMIUM	30	400	94.3	14.4	11.3	32.7	74.8	16.8	252
LEAD	63	1,000	411	311	873	108	1,350	700	124
SELENIUM	3.9	1,500	ND						
SILVER	2	1,500	ND						
MERCURY	0.18	2.8	0.933	1.97	7.47	0.988	0.13	13	0.645
ACETONE	0.05	1,000	NA						
BENZENE	0.06	89	NA						
SEC-BUTYLBENZENE	NE	NE	NA						
CARBON TETRACHLORIDE	0.76	22	NA						
CHLOROFORM	0.37	350	NA						
2-CHLOROTOLUENE	NE	NE	NA						
1,2-DICHLOROBENZENE	1.1	500	NA						
1,4-DICHLOROBENZENE	1.8	130	NA						
1,1-DICHLOROETHANE	0.27	240	NA						
1,1-DICHLOROETHENE	0.33	500	NA						
CIS-1,2-DICHLOROETHENE	0.25	500	NA						
TRANS-1,2-DICHLOROETHENE	0.19	500	NA						
ETHYLBENZENE	1	390	NA						
P-ISOPROPYLtolUENE	NE	NE	NA						
2-BUTANONE (MEK)	0.12	500	NA						
METHYL TERT-BUTYL ETHER	0.93	500	NA						
NAPHTHALENE	12	1,000	NA						
N-PROPYLBENZENE	3.9	500	NA						
TETRACHLOROETHENE	1.3	300	NA						
TOLUENE	0.7	500	NA						
1,2,3-TRICHLOROBENZENE	NE	NE	NA						
1,1,1-TRICHLOROETHANE	NE	NE	NA						
TRICHLOROETHENE	0.47	400	NA						
1,2,4-TRIMETHYLBENZENE	3.6	190	NA						
1,2,3-TRIMETHYLBENZENE	NE	NE	NA						
VINYL CHLORIDE	0.02	13	NA						
1,3,5-TRIMETHYLBENZENE	8.4	190	NA						
XYLENES, TOTAL	0.26	500	NA						
ANTHRACENE	100	500	0.673	0.103	195	0.865	0.144	0.708	0.0679
ACENAPHTHENE	100	500	0.218	0.0467	128	0.318	0.0916	0.29	0.0354
ACENAPHTHYLENE	20	500	ND	ND	13.8	ND	0.0183	ND	ND
BENZO(A)ANTHRACENE	1	5.6	1.32	0.28	223	3.6	0.194	2.4	0.231
BENZO(A)PYRENE	1	1	1.11	0.249	196	3.6	0.161	2.32	0.228
BENZO(B)FLUORANTHENE	1	5.6	1.56	0.275	217	4.64	0.199	2.66	0.295
BENZO(G,H,I)PERYLENE	100	500	0.688	0.148	115	2.4	0.11	1.53	0.159
BENZO(K)FLUORANTHENE	0.8	56	0.387	0.0782	71.7	1.4	0.0614	0.953	0.0781
CHRYSENE	1	56	1.19	0.232	165	3.03	0.179	2.01	0.215
DIBENZ(A,H)ANTHRACENE	0.33	0.56	0.195	0.0362	29.5	0.711	0.0269	0.394	0.0423
FLUORANTHENE	100	500	3.1	0.566	589	6.45	0.548	4.67	0.432
FLUORENE	30	500	0.262	0.034	146	0.401	0.107	0.312	0.0352
INDENO(1,2,3-CD)PYRENE	0.5	5.6	0.57	0.113	93.6	2.09	0.0827	1.27	0.126
NAPHTHALENE	12	500	ND	ND	283	0.293	0.232	0.716	0.108
PHENANTHRENE	100	500	2.43	0.446	877	3.34	0.623	2.71	0.328
PYRENE	100	500	2.64	0.646	555	6.39	0.511	4.83	0.478
1-METHYLNAPHTHALENE	NE	NE	ND	ND	59.6	ND	0.0789	0.331	ND
2-METHYLNAPHTHALENE	NE	NE	ND	ND	89.6	ND	0.111	0.483	0.0345

Results reported in milligrams per kilogram (mg/kg)

ND - Not detected above the MDL

USCO - Unrestricted Use Soil Cleanup Objective

CSCO - Restricted Use Soil Cleanup Objective - Commercial, Direct Contact

NE - NYSDEC criteria not established

Bold indicates concentration is above SCO

Highlight indicates concentration is above CSCO

TABLE 1
Soil Analytical Report
140 Stewart Ave 111 Gardner Ave
Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-16C 9'	DS-17A 3'	DS-17B 6'	DS-17C 9'	DS-18A 3'	DS-18B 6'	DS-18C 9'
ARSENIC	13	16	6.22	11.4	12.7	13.8	7.72	3	5.01
BARIUM	350	400	309	231	50.4	384	290	45.8	191
CADMIUM	2.5	9.3	ND	1.41	ND	ND	1.51	ND	ND
CHROMIUM	30	400	14.2	19.9	29.5	20.6	23.4	17.3	14.6
LEAD	63	1,000	3,720	792	35.3	578	817	41.1	119
SELENIUM	3.9	1,500	ND	ND	ND	4.03	ND	ND	ND
SILVER	2	1,500	ND						
MERCURY	0.18	2.8	ND	2.41	0.172	3.56	0.178	0.246	0.419
ACETONE	0.05	1,000	NA						
BENZENE	0.06	89	NA						
SEC-BUTYLBENZENE	NE	NE	NA						
CARBON TETRACHLORIDE	0.76	22	NA						
CHLOROFORM	0.37	350	NA						
2-CHLOROTOLUENE	NE	NE	NA						
1,2-DICHLOROBENZENE	1.1	500	NA						
1,4-DICHLOROBENZENE	1.8	130	NA						
1,1-DICHLOROETHANE	0.27	240	NA						
1,1-DICHLOROETHENE	0.33	500	NA						
CIS-1,2-DICHLOROETHENE	0.25	500	NA						
TRANS-1,2-DICHLOROETHENE	0.19	500	NA						
ETHYLBENZENE	1	390	NA						
P-ISOPROPYLtolUENE	NE	NE	NA						
2-BUTANONE (MEK)	0.12	500	NA						
METHYL TERT-BUTYL ETHER	0.93	500	NA						
NAPHTHALENE	12	1,000	NA						
N-PROPYLBENZENE	3.9	500	NA						
TETRACHLOROETHENE	1.3	300	NA						
TOLUENE	0.7	500	NA						
1,2,3-TRICHLOROBENZENE	NE	NE	NA						
1,1,1-TRICHLOROETHANE	NE	NE	NA						
TRICHLOROETHENE	0.47	400	NA						
1,2,4-TRIMETHYLBENZENE	3.6	190	NA						
1,2,3-TRIMETHYLBENZENE	NE	NE	NA						
VINYL CHLORIDE	0.02	13	NA						
1,3,5-TRIMETHYLBENZENE	8.4	190	NA						
XYLENES, TOTAL	0.26	500	NA						
ANTHRACENE	100	500	49.9	1.67	0.0119	0.167	0.0427	ND	0.0662
ACENAPHTHENE	100	500	30.8	0.579	0.00966	0.111	0.0357	ND	0.0289
ACENAPHTHYLENE	20	500	ND	ND	ND	0.0139	ND	ND	ND
BENZO(A)ANTHRACENE	1	5.6	54.5	4.45	0.0274	0.317	0.179	ND	0.156
BENZO(A)PYRENE	1	1	47	4.03	0.0255	0.287	0.205	ND	0.135
BENZO(B)FLUORANTHENE	1	5.6	54	4.77	0.0314	0.339	0.253	ND	0.148
BENZO(G,H,I)PERYLENE	100	500	28	2.59	0.019	0.186	0.164	ND	0.082
BENZO(K)FLUORANTHENE	0.8	56	15.9	1.2	0.00794	0.101	0.0732	ND	0.0398
CHRYSENE	1	56	41.9	3.62	0.023	0.293	0.158	ND	0.144
DIBENZ(A,H)ANTHRACENE	0.33	0.56	6.6	0.65	ND	0.0481	0.0407	ND	0.0215
FLUORANTHENE	100	500	137	8.24	0.054	0.713	0.297	ND	0.309
FLUORENE	30	500	35.4	0.762	0.00834	0.115	0.0264	ND	0.0321
INDENO(1,2,3-CD)PYRENE	0.5	5.6	22.2	2.09	0.0148	0.144	0.127	ND	0.0612
NAPHTHALENE	12	500	69.3	0.9	ND	0.389	0.039	ND	0.0812
PHENANTHRENE	100	500	189	5.95	0.046	0.811	0.205	ND	0.284
PYRENE	100	500	132	8.98	0.0592	0.789	0.313	ND	0.374
1-METHYLNAPHTHALENE	NE	NE	ND	ND	ND	0.0789	ND	ND	0.0263
2-METHYLNAPHTHALENE	NE	NE	ND	ND	ND	0.131	ND	ND	0.0394

Results reported in milligrams per kilogram (mg/kg)

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NE - NYSDEC criteria not established

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TABLE 1
Soil Analytical Report
140 Stewart Ave 111 Gardner Ave
Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-19A 3'	DS-19B 6'	DS-19C 9'	DS-20A 3'	DS-20B 6'	DS-20C 9'	DS-21A 3'
ARSENIC	13	16	10.5	7.81	8.39	3.87	10.7	24.5	12.3
BARIUM	350	400	165	43.9	134	37.2	85.8	195	130
CADMIUM	2.5	9.3	ND	ND	0.706	ND	ND	ND	1.68
CHROMIUM	30	400	18.8	17.1	14	14.8	28.7	18.4	25.8
LEAD	63	1,000	332	67.2	198	12.1	129	84.7	553
SELENIUM	3.9	1,500	ND	ND	2.53	ND	ND	5.95	ND
SILVER	2	1,500	ND						
MERCURY	0.18	2.8	0.0377	0.0439	0.283	0.036	0.513	0.0536	0.252
ACETONE	0.05	1,000	NA						
BENZENE	0.06	89	NA						
SEC-BUTYLBENZENE	NE	NE	NA						
CARBON TETRACHLORIDE	0.76	22	NA						
CHLOROFORM	0.37	350	NA						
2-CHLOROTOLUENE	NE	NE	NA						
1,2-DICHLOROBENZENE	1.1	500	NA						
1,4-DICHLOROBENZENE	1.8	130	NA						
1,1-DICHLOROETHANE	0.27	240	NA						
1,1-DICHLOROETHENE	0.33	500	NA						
CIS-1,2-DICHLOROETHENE	0.25	500	NA						
TRANS-1,2-DICHLOROETHENE	0.19	500	NA						
ETHYLBENZENE	1	390	NA						
P-ISOPROPYLtolUENE	NE	NE	NA						
2-BUTANONE (MEK)	0.12	500	NA						
METHYL TERT-BUTYL ETHER	0.93	500	NA						
NAPHTHALENE	12	1,000	NA						
N-PROPYLBENZENE	3.9	500	NA						
TETRACHLOROETHENE	1.3	300	NA						
TOLUENE	0.7	500	NA						
1,2,3-TRICHLOROBENZENE	NE	NE	NA						
1,1,1-TRICHLOROETHANE	NE	NE	NA						
TRICHLOROETHENE	0.47	400	NA						
1,2,4-TRIMETHYLBENZENE	3.6	190	NA						
1,2,3-TRIMETHYLBENZENE	NE	NE	NA						
VINYL CHLORIDE	0.02	13	NA						
1,3,5-TRIMETHYLBENZENE	8.4	190	NA						
XYLENES, TOTAL	0.26	500	NA						
ANTHRACENE	100	500	ND	0.174	0.124	0.16	0.92	4.14	1.04
ACENAPHTHENE	100	500	ND	0.085	0.051	0.112	0.915	1.76	0.432
ACENAPHTHYLENE	20	500	ND	ND	ND	0.0391	0.172	0.087	ND
BENZO(A)ANTHRACENE	1	5.6	0.0138	0.44	0.264	0.224	1.52	6.33	2.66
BENZO(A)PYRENE	1	1	0.0162	0.355	0.228	0.16	1.39	5.3	2.43
BENZO(B)FLUORANTHENE	1	5.6	0.0165	0.415	0.266	0.195	1.48	6.08	2.97
BENZO(G,H,I)PERYLENE	100	500	0.0103	0.198	0.14	0.0727	0.815	2.78	1.51
BENZO(K)FLUORANTHENE	0.8	56	ND	0.113	0.0672	0.0606	0.454	1.77	0.753
CHRYSENE	1	56	0.0125	0.348	0.226	0.171	1.38	5.03	2.15
DIBENZ(A,H)ANTHRACENE	0.33	0.56	ND	0.0594	0.0354	0.027	0.213	0.797	0.389
FLUORANTHENE	100	500	0.0189	0.753	0.555	0.49	2.53	16.9	4.92
FLUORENE	30	500	ND	0.076	0.0601	0.143	1.09	2.11	0.544
INDENO(1,2,3-CD)PYRENE	0.5	5.6	ND	0.158	0.109	0.0694	0.637	2.31	1.25
NAPHTHALENE	12	500	ND	ND	0.0955	0.0524	1.33	0.895	ND
PHENANTHRENE	100	500	ND	0.684	0.506	0.633	3.79	16.1	4.38
PYRENE	100	500	0.034	0.813	0.636	0.454	3.32	13.2	5.27
1-METHYLNAPHTHALENE	NE	NE	ND	ND	0.0485	0.528	7.44	0.484	ND
2-METHYLNAPHTHALENE	NE	NE	ND	ND	0.0704	0.424	11.1	0.458	ND

Results reported in milligrams per kilogram (mg/kg)

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TABLE 1
Soil Analytical Report
140 Stewart Ave 111 Gardner Ave
Brooklyn, New York

	NYSDEC USCO	NYSDEC CSCO	DS-21B 6'	DS-21C 9'	DS-22A 3'	DS-22B 9'
ARSENIC	13	16	8.56	30.3	9.36	15.5
BARIUM	350	400	97.4	3,920	356	695
CADMIUM	2.5	9.3	ND	2.46	1.24	8.49
CHROMIUM	30	400	24.9	27.9	14.1	24
LEAD	63	1,000	149	5,670	973	2,710
SELENIUM	3.9	1,500	ND	ND	ND	ND
SILVER	2	1,500	ND	ND	ND	ND
MERCURY	0.18	2.8	0.272	3.09	2.07	1.32
ACETONE	0.05	1,000	NA	NA	NA	NA
BENZENE	0.06	89	NA	NA	NA	NA
SEC-BUTYLBENZENE	NE	NE	NA	NA	NA	NA
CARBON TETRACHLORIDE	0.76	22	NA	NA	NA	NA
CHLOROFORM	0.37	350	NA	NA	NA	NA
2-CHLOROTOLUENE	NE	NE	NA	NA	NA	NA
1,2-DICHLOROBENZENE	1.1	500	NA	NA	NA	NA
1,4-DICHLOROBENZENE	1.8	130	NA	NA	NA	NA
1,1-DICHLOROETHANE	0.27	240	NA	NA	NA	NA
1,1-DICHLOROETHENE	0.33	500	NA	NA	NA	NA
CIS-1,2-DICHLOROETHENE	0.25	500	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	0.19	500	NA	NA	NA	NA
ETHYLBENZENE	1	390	NA	NA	NA	NA
P-ISOPROPYLtolUENE	NE	NE	NA	NA	NA	NA
2-BUTANONE (MEK)	0.12	500	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	0.93	500	NA	NA	NA	NA
NAPHTHALENE	12	1,000	NA	NA	NA	NA
N-PROPYLBENZENE	3.9	500	NA	NA	NA	NA
TETRACHLOROETHENE	1.3	300	NA	NA	NA	NA
TOLUENE	0.7	500	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NE	NE	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	NE	NE	NA	NA	NA	NA
TRICHLOROETHENE	0.47	400	NA	NA	NA	NA
1,2,4-TRIMETHYLBENZENE	3.6	190	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NE	NE	NA	NA	NA	NA
VINYL CHLORIDE	0.02	13	NA	NA	NA	NA
1,3,5-TRIMETHYLBENZENE	8.4	190	NA	NA	NA	NA
XYLEMES, TOTAL	0.26	500	NA	NA	NA	NA
ANTHRACENE	100	500	0.0511	0.0593	6.46	1.47
ACENAPHTHENE	100	500	0.0772	0.0383	2.38	0.912
ACENAPHTHYLENE	20	500	ND	ND	ND	ND
BENZO(A)ANTHRACENE	1	5.6	0.129	0.164	9.73	2.39
BENZO(A)PYRENE	1	1	0.131	0.19	8.46	2.04
BENZO(B)FLUORANTHENE	1	5.6	0.156	0.201	8.84	2.2
BENZO(G,H,I)PERYLENE	100	500	0.0881	0.128	4.85	1.08
BENZO(K)FLUORANTHENE	0.8	56	0.0432	0.0747	2.79	0.648
CHRYSENE	1	56	0.113	0.163	9.27	2.05
DIBENZ(A,H)ANTHRACENE	0.33	0.56	0.0242	0.0301	1.21	0.302
FLUORANTHENE	100	500	0.287	0.292	18.9	4.56
FLUORENE	30	500	0.072	0.0343	3.09	0.927
INDENO(1,2,3-CD)PYRENE	0.5	5.6	0.0728	0.101	4.07	0.945
NAPHTHALENE	12	500	1.12	0.172	2.3	0.513
PHENANTHRENE	100	500	0.271	0.243	25.7	5.68
PYRENE	100	500	0.298	0.341	24.4	5.47
1-METHYLNAPHTHALENE	NE	NE	ND	ND	1.8	0.303
2-METHYLNAPHTHALENE	NE	NE	ND	ND	1.77	0.358

Results reported in milligrams per kilogram (mg/kg)

ND - Not detected above the MDL

USCO - Unrestricted Use Soil Cleanup Objective

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NE - NYSDEC criteria not established

Bold indicates concentration is above SCO

Highlight indicates concentration is above CSCO

TABLE 2
Groundwater Analytical Report
140 Stewart Ave 111 Gardner Ave
Brooklyn, New York

	NYSDEC WQS	MGW-1	MGW-2	MGW-3	MGW-4
ARSENIC, DISSOLVED	25	30.5	ND	166	37.8
BARIUM, DISSOLVED	1,000	59.8	50.7	361	194
CHROMIUM	50	ND	ND	697	ND
LEAD	25	ND	7.9	672	37
MERCURY	0.7	ND	ND	0.884	ND
SEC-BUTYLBENZENE	5	ND	1.22	ND	ND
1,2-DICHLOROBENZENE	3	ND	19.9	ND	ND
1,4-DICHLOROBENZENE	3	ND	2.3	ND	ND
1,1-DICHLOROETHANE	5	ND	1.38	ND	ND
1,1-DICHLOROETHENE	5	ND	10.8	ND	ND
CIS-1,2-DICHLOROETHENE	5	ND	ND	ND	1.11
ETHYLBENZENE	5	ND	2.01	ND	ND
P-ISOPROPYLtolUENE	5	ND	7.91	ND	3.91
METHYL TERT-BUTYL ETHER	NE	1.12	ND	ND	ND
NAPHTHALENE	10	ND	4.74	ND	0.646
TETRACHLOROETHENE	5	ND	34,900	ND	12.2
TOLUENE	5	ND	7.05	ND	ND
TRICHLOROETHENE	5	ND	3,360	ND	0.0215
1,2,4-TRIMETHYLBENZENE	5	ND	15.8	ND	ND
1,2,3-TRIMETHYLBENZENE	5	ND	8.41	ND	ND
VINYL CHLORIDE	2	ND	650	ND	0.00302
1,3,5-TRIMETHYLBENZENE	5	ND	7.86	ND	ND
XYLENES, TOTAL	5	ND	10.3	ND	ND
ANTHRACENE	20	ND	0.661	0.251	0.159
ACENAPHTHENE	50	ND	1.79	0.597	0.926
BENZO(A)ANTHRACENE	NE	ND	0.58	ND	0.175
BENZO(A)PYRENE	0.002	ND	0.493	ND	0.151
BENZO(B)FLUORANTHENE	0.002	ND	0.647	ND	0.182
BENZO(G,H,I)PERYLENE	NE	ND	0.342	ND	0.104
BENZO(K)FLUORANTHENE	0.002	ND	0.212	ND	0.0591
CHRYSENE	0.002	ND	0.526	ND	0.179
FLUORANTHENE	50	ND	1.56	0.713	0.514
FLUORENE	50	ND	1.26	0.175	0.313
INDENO(1,2,3-CD)PYRENE	0.002	ND	0.275	ND	0.0824
PHENANTHRENE	50	ND	2.46	0.949	0.769
PYRENE	50	ND	1.44	0.883	0.458
1-METHYLNAPHTHALENE	NE	ND	1.38	ND	1.12
2-METHYLNAPHTHALENE	NE	ND	1.5	ND	ND

Results reported in micrograms per liter (ug/L)

ND - Not detected above the MDL

WQS - NYSDEC Water Quality Standard

Highlight indicates concentration is above the WQS

March 08, 2016

A & W Professional Services, PLLC

Sample Delivery Group: L820216
Samples Received: 02/26/2016
Project Number:
Description: Soil Delineation
Site: BROOKLYN, NY
Report To: Mr. Austin Hewitt
7900-D Stevens Mill Road, # 120
Matthews, NC 28104

Entire Report Reviewed By:



Jimmy Hunt
Technical Service Representative

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

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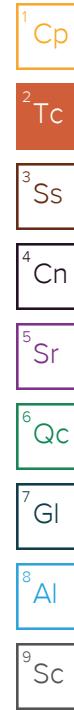
ONE LAB. NATIONWIDE.



¹Cp: Cover Page	1	¹Cp
²Tc: Table of Contents	2	²Tc
³Ss: Sample Summary	4	³Ss
⁴Cn: Case Narrative	11	⁴Cn
⁵Sr: Sample Results	12	⁵Sr
DS-1A 3FT L820216-01	12	
DS-1B 6FT L820216-02	15	
DS-1C 9FT L820216-03	18	
DS-2A 3FT L820216-04	21	
DS-2B 9FT L820216-05	22	
DS-3A 3FT L820216-06	25	
DS-3B 6FT L820216-07	28	
DS-3C 9FT L820216-08	31	
DS-4A 3FT L820216-09	34	
DS-4C 6FT L820216-10	37	
DS-5A 3FT L820216-11	40	
DS-5B 6FT L820216-12	43	
DS-5C 9FT L820216-13	46	
DS-6A 3FT L820216-14	49	
DS-6B 6FT L820216-15	52	
DS-7A 3FT L820216-16	55	
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DS-9A 3FT L820216-21	70	
DS-9B 6FT L820216-22	71	
DS-9C 9FT L820216-23	72	
DS-10A 3FT L820216-24	73	
DS-10B 6FT L820216-25	74	
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DS-11A 3FT L820216-27	76	
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Mercury by Method 7471A	86	



Metals (ICP) by Method 6010C	89
Volatile Organic Compounds (GC/MS) by Method 8260C	93
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	107
⁷Gl: Glossary of Terms	113
⁸Al: Accreditations & Locations	114
⁹Sc: Chain of Custody	115



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DS-1A 3FT L820216-01 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 14:45	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	2	03/01/16 20:31	03/03/16 15:13
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 12:43
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/04/16 08:54
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 12:23
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	50	03/03/16 22:59	03/05/16 08:26
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1.08	03/02/16 17:00	03/02/16 23:42
DS-1B 6FT L820216-02 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 15:00	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 10:50
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 12:45
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/04/16 08:57
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 12:46
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/05/16 03:46
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/02/16 23:59
DS-1C 9FT L820216-03 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 15:10	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	10	03/01/16 20:31	03/03/16 15:02
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 12:54
Metals (ICP) by Method 6010C	WG852854	5	03/02/16 17:08	03/04/16 09:06
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 12:49
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	20	03/03/16 22:59	03/05/16 08:04
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	50	03/03/16 22:59	03/07/16 10:09
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1.42	03/02/16 17:00	03/03/16 00:17
DS-2A 3FT L820216-04 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 15:15	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 10:55
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 12:57
Metals (ICP) by Method 6010C	WG852854	5	03/02/16 17:08	03/04/16 09:09
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 12:57
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	5	03/03/16 22:59	03/04/16 12:37
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04
DS-2B 9FT L820216-05 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 15:25	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 10:57
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:00
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:00

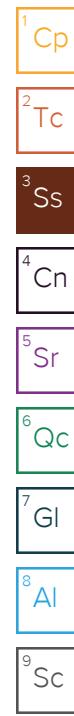


SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



			Collected by Scott Stehlík	Collected date/time 02/24/16 15:25	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/04/16 09:36	FMB
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 00:34	BMB
DS-3A 3FT L820216-06 Solid			Collected by Scott Stehlík	Collected date/time 02/24/16 15:40	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:00	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:03	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:03	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/04/16 05:37	KMP
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 00:51	BMB
DS-3B 6FT L820216-07 Solid			Collected by Scott Stehlík	Collected date/time 02/24/16 15:55	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	2	03/01/16 20:31	03/03/16 15:05	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:06	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:06	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/05/16 04:08	KMP
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 01:08	BMB
DS-3C 9FT L820216-08 Solid			Collected by Scott Stehlík	Collected date/time 02/24/16 16:00	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:05	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 12:28	LTB
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/04/16 08:40	LTB
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:09	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/04/16 06:42	KMP
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 01:26	BMB
DS-4A 3FT L820216-09 Solid			Collected by Scott Stehlík	Collected date/time 02/24/16 16:35	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:08	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:09	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:11	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/05/16 04:29	KMP
Total Solids by Method 2540 G-2011	WG852521	1	02/27/16 12:52	02/27/16 13:04	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 01:43	BMB

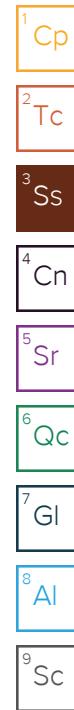


SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



			Collected by Scott Stehlík	Collected date/time 02/24/16 16:30	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:15	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:12	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:14	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	10	03/03/16 22:59	03/04/16 13:20	KMP
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 02:00	BMB
			Collected by Scott Stehlík	Collected date/time 02/24/16 16:00	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	5	03/01/16 20:31	03/03/16 15:08	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:15	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:17	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	10	03/03/16 22:59	03/05/16 07:00	KMP
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 02:17	BMB
			Collected by Scott Stehlík	Collected date/time 02/24/16 16:50	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	10	03/01/16 20:31	03/03/16 15:00	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:18	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:20	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	10	03/03/16 22:59	03/05/16 07:21	KMP
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 02:35	BMB
			Collected by Scott Stehlík	Collected date/time 02/24/16 17:05	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:21	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:20	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:23	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/04/16 07:04	KMP
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 02:52	BMB
			Collected by Scott Stehlík	Collected date/time 02/24/16 17:10	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:23	BRJ
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:29	RDS
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:32	JDG
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/04/16 07:26	KMP
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31	KDW
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 03:09	BMB

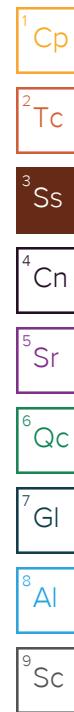


SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DS-6B 6FT L820216-15 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 17:20	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:26
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:32
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:34
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	5	03/03/16 22:59	03/04/16 12:58
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1.08	03/02/16 17:00	03/03/16 03:26
DS-7A 3FT L820216-16 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 17:30	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:28
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:35
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:37
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/04/16 09:15
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1.07	03/02/16 17:00	03/03/16 03:43
DS-7B 6FT L820216-17 Solid		Collected by Scott Stehlík	Collected date/time 02/24/16 17:40	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:31
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:38
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:40
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	5	03/03/16 22:59	03/04/16 12:15
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 04:01
DS-8A 3FT L820216-18 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 09:50	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG853951	1	03/04/16 13:14	03/04/16 16:29
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:41
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:43
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	20	03/03/16 22:59	03/05/16 07:43
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1	03/02/16 17:00	03/03/16 04:18
Volatile Organic Compounds (GC/MS) by Method 8260C	WG854266	1960	03/08/16 04:48	03/08/16 07:48
DS-8B 6FT L820216-19 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 10:20	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	5	03/01/16 20:31	03/03/16 15:10
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:44
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:46
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	10	03/03/16 22:59	03/05/16 06:38
Total Solids by Method 2540 G-2011	WG852522	1	02/27/16 12:15	02/27/16 12:31
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853849	24	03/04/16 01:32	03/04/16 04:32
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853984	1920	03/04/16 20:00	03/05/16 03:13

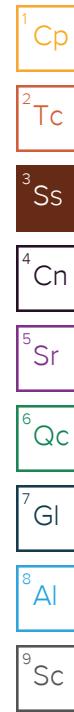


SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DS-8C 9FT L820216-20 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 10:35	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852487	1	03/01/16 20:31	03/03/16 11:36
Metals (ICP) by Method 6010C	WG852854	1	03/02/16 17:08	03/03/16 13:47
Metals (ICP) by Method 6010C	WG852854	10	03/02/16 17:08	03/04/16 09:12
Metals (ICP) by Method 6010C	WG853901	1	03/04/16 10:13	03/04/16 13:49
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852910	1	03/03/16 22:59	03/05/16 03:25
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
Volatile Organic Compounds (GC/MS) by Method 8260C	WG852463	1.1	03/02/16 17:00	03/03/16 04:52
DS-9A 3FT L820216-21 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 11:30	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	5	03/02/16 16:52	03/04/16 12:56
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 01:39
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	10	03/03/16 20:30	03/04/16 09:45
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-9B 6FT L820216-22 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 11:45	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	1	03/02/16 16:52	03/04/16 09:07
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 02:00
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	100	03/03/16 20:30	03/04/16 11:32
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-9C 9FT L820216-23 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 12:00	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	2	03/02/16 16:52	03/04/16 12:59
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 02:03
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	1	03/03/16 20:30	03/04/16 04:02
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-10A 3FT L820216-24 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 12:30	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	1	03/02/16 16:52	03/04/16 09:12
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 02:06
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	5	03/03/16 20:30	03/04/16 08:40
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-10B 6FT L820216-25 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 12:45	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	5	03/02/16 16:52	03/04/16 13:01
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 02:09
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	20	03/03/16 20:30	03/04/16 10:49



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DS-10B 6FT L820216-25 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 12:45	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-10C 9FT L820216-26 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 12:50	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	50	03/02/16 16:52	03/04/16 13:32
Metals (ICP) by Method 6010C	WG852855	5	03/02/16 09:56	03/04/16 07:40
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	5	03/03/16 20:30	03/04/16 09:02
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-11A 3FT L820216-27 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 12:55	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	1	03/02/16 16:52	03/04/16 09:25
Metals (ICP) by Method 6010C	WG852855	5	03/02/16 09:56	03/04/16 07:47
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	2	03/03/16 20:30	03/04/16 08:19
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-11B 9FT L820216-28 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 01:00	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	1	03/02/16 16:52	03/04/16 09:28
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 02:18
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	20	03/03/16 20:30	03/04/16 10:06
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-12A 3FT L820216-29 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 01:10	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	1	03/02/16 16:52	03/04/16 09:31
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 02:21
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	20	03/03/16 20:30	03/04/16 10:28
Total Solids by Method 2540 G-2011	WG852523	1	02/27/16 10:53	02/27/16 11:19
DS-12B 6FT L820216-30 Solid		Collected by Scott Stehlík	Collected date/time 02/25/16 13:15	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time
Mercury by Method 7471A	WG852490	1	03/02/16 16:52	03/04/16 09:33
Metals (ICP) by Method 6010C	WG852855	5	03/02/16 09:56	03/04/16 07:50
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	5	03/03/16 20:30	03/04/16 09:23
Total Solids by Method 2540 G-2011	WG852524	1	02/27/16 12:32	02/27/16 12:44

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



DS-12C L820216-31 Solid

			Collected by Scott Stehlík	Collected date/time 02/25/16 00:00	Received date/time 02/26/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG852490	100	03/02/16 16:52	03/04/16 13:12	TRB
Metals (ICP) by Method 6010C	WG852855	1	03/02/16 09:56	03/04/16 02:33	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852911	20	03/03/16 20:30	03/04/16 11:11	KMP
Total Solids by Method 2540 G-2011	WG852781	1	03/01/16 16:10	03/01/16 16:18	MEL

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



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

Jimmy Hunt
Technical Service Representative

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ GI
- ⁸ AI
- ⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	73.0		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	1.31		0.0548	2	03/03/2016 15:13	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	24.1		2.74	1	03/03/2016 12:43	WG852854
Barium	423		0.685	1	03/03/2016 12:43	WG852854
Cadmium	4.45		0.685	1	03/03/2016 12:43	WG852854
Chromium	44.4		1.37	1	03/04/2016 08:54	WG852854
Lead	933		0.685	1	03/03/2016 12:43	WG852854
Selenium	ND		2.74	1	03/03/2016 12:43	WG852854
Silver	ND		1.37	1	03/04/2016 12:23	WG853901

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0739	1.08	03/02/2016 23:42	WG852463
Acrylonitrile	ND		0.0148	1.08	03/02/2016 23:42	WG852463
Benzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
Bromobenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
Bromodichloromethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463
Bromoform	ND	J4	0.00148	1.08	03/02/2016 23:42	WG852463
Bromomethane	ND		0.00739	1.08	03/02/2016 23:42	WG852463
n-Butylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
sec-Butylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
tert-Butylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
Carbon tetrachloride	ND		0.00148	1.08	03/02/2016 23:42	WG852463
Chlorobenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
Chlorodibromomethane	ND	J4	0.00148	1.08	03/02/2016 23:42	WG852463
Chloroethane	ND		0.00739	1.08	03/02/2016 23:42	WG852463
2-Chloroethyl vinyl ether	ND		0.0739	1.08	03/02/2016 23:42	WG852463
Chloroform	0.0922		0.00739	1.08	03/02/2016 23:42	WG852463
Chloromethane	ND		0.00370	1.08	03/02/2016 23:42	WG852463
2-Chlorotoluene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
4-Chlorotoluene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00739	1.08	03/02/2016 23:42	WG852463
1,2-Dibromoethane	ND	J4	0.00148	1.08	03/02/2016 23:42	WG852463
Dibromomethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,2-Dichlorobenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,3-Dichlorobenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,4-Dichlorobenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
Dichlorodifluoromethane	ND		0.00739	1.08	03/02/2016 23:42	WG852463
1,1-Dichloroethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,2-Dichloroethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,1-Dichloroethene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
cis-1,2-Dichloroethene	0.0160		0.00148	1.08	03/02/2016 23:42	WG852463
trans-1,2-Dichloroethene	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,2-Dichloropropane	ND		0.00148	1.08	03/02/2016 23:42	WG852463
1,1-Dichloropropene	ND		0.00148	1.08	03/02/2016 23:42	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00148	1.08	03/02/2016 23:42	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00148	1.08	03/02/2016 23:42	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00148	1.08	03/02/2016 23:42	WG852463	⁵ Sr
Ethylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0148	1.08	03/02/2016 23:42	WG852463	
Methylene Chloride	ND		0.00739	1.08	03/02/2016 23:42	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0148	1.08	03/02/2016 23:42	WG852463	
Methyl tert-butyl ether	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
Naphthalene	ND		0.00739	1.08	03/02/2016 23:42	WG852463	
n-Propylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
Styrene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
Tetrachloroethene	0.0411		0.00148	1.08	03/02/2016 23:42	WG852463	
Toluene	ND		0.00739	1.08	03/02/2016 23:42	WG852463	
1,2,3-Trichlorobenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,2,4-Trichlorobenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,1,1-Trichloroethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,1,2-Trichloroethane	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
Trichloroethene	0.0182		0.00148	1.08	03/02/2016 23:42	WG852463	
Trichlorofluoromethane	ND		0.00739	1.08	03/02/2016 23:42	WG852463	
1,2,3-Trichloropropane	ND		0.00370	1.08	03/02/2016 23:42	WG852463	
1,2,4-Trimethylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,2,3-Trimethylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
Vinyl chloride	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
1,3,5-Trimethylbenzene	ND		0.00148	1.08	03/02/2016 23:42	WG852463	
Xylenes, Total	ND		0.00444	1.08	03/02/2016 23:42	WG852463	
(S) Toluene-d8	96.5		88.7-115		03/02/2016 23:42	WG852463	
(S) Dibromofluoromethane	102		76.3-123		03/02/2016 23:42	WG852463	
(S) 4-Bromofluorobenzene	84.1		69.7-129		03/02/2016 23:42	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	1.18		0.411	50	03/05/2016 08:26	WG852910
Acenaphthene	ND		0.411	50	03/05/2016 08:26	WG852910
Acenaphthylene	ND		0.411	50	03/05/2016 08:26	WG852910
Benzo(a)anthracene	1.99		0.411	50	03/05/2016 08:26	WG852910
Benzo(a)pyrene	1.45		0.411	50	03/05/2016 08:26	WG852910
Benzo(b)fluoranthene	1.85		0.411	50	03/05/2016 08:26	WG852910
Benzo(g,h,i)perylene	0.839		0.411	50	03/05/2016 08:26	WG852910
Benzo(k)fluoranthene	0.638		0.411	50	03/05/2016 08:26	WG852910
Chrysene	1.87		0.411	50	03/05/2016 08:26	WG852910
Dibenz(a,h)anthracene	ND		0.411	50	03/05/2016 08:26	WG852910
Fluoranthene	5.05		0.411	50	03/05/2016 08:26	WG852910
Fluorene	0.778		0.411	50	03/05/2016 08:26	WG852910
Indeno(1,2,3-cd)pyrene	0.698		0.411	50	03/05/2016 08:26	WG852910
Naphthalene	ND		1.37	50	03/05/2016 08:26	WG852910
Phenanthrene	5.52		0.411	50	03/05/2016 08:26	WG852910
Pyrene	4.40		0.411	50	03/05/2016 08:26	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		1.37	50	03/05/2016 08:26	WG852910	¹ Cp
2-Methylnaphthalene	ND		1.37	50	03/05/2016 08:26	WG852910	² Tc
2-Chloronaphthalene	ND		1.37	50	03/05/2016 08:26	WG852910	³ Ss
(S) Nitrobenzene-d5	66.2	J7	22.1-146		03/05/2016 08:26	WG852910	
(S) 2-Fluorobiphenyl	66.0	J7	40.6-122		03/05/2016 08:26	WG852910	
(S) p-Terphenyl-d14	59.0	J7	32.2-131		03/05/2016 08:26	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	85.8		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.638		0.0233	1	03/03/2016 10:50	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	31.9		2.33	1	03/03/2016 12:45	WG852854
Barium	116		0.583	1	03/03/2016 12:45	WG852854
Cadmium	ND		0.583	1	03/03/2016 12:45	WG852854
Chromium	38.3		1.17	1	03/04/2016 08:57	WG852854
Lead	173		0.583	1	03/03/2016 12:45	WG852854
Selenium	ND		2.33	1	03/03/2016 12:45	WG852854
Silver	ND		1.17	1	03/04/2016 12:46	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	0.0592		0.0583	1	03/02/2016 23:59	WG852463
Acrylonitrile	ND		0.0117	1	03/02/2016 23:59	WG852463
Benzene	0.00159		0.00117	1	03/02/2016 23:59	WG852463
Bromobenzene	ND		0.00117	1	03/02/2016 23:59	WG852463
Bromodichloromethane	ND		0.00117	1	03/02/2016 23:59	WG852463
Bromoform	ND	J4	0.00117	1	03/02/2016 23:59	WG852463
Bromomethane	ND		0.00583	1	03/02/2016 23:59	WG852463
n-Butylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463
sec-Butylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463
tert-Butylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463
Carbon tetrachloride	ND		0.00117	1	03/02/2016 23:59	WG852463
Chlorobenzene	ND		0.00117	1	03/02/2016 23:59	WG852463
Chlorodibromomethane	ND	J4	0.00117	1	03/02/2016 23:59	WG852463
Chloroethane	ND		0.00583	1	03/02/2016 23:59	WG852463
2-Chloroethyl vinyl ether	ND		0.0583	1	03/02/2016 23:59	WG852463
Chloroform	ND		0.00583	1	03/02/2016 23:59	WG852463
Chloromethane	ND		0.00291	1	03/02/2016 23:59	WG852463
2-Chlorotoluene	0.00178		0.00117	1	03/02/2016 23:59	WG852463
4-Chlorotoluene	ND		0.00117	1	03/02/2016 23:59	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00583	1	03/02/2016 23:59	WG852463
1,2-Dibromoethane	ND	J4	0.00117	1	03/02/2016 23:59	WG852463
Dibromomethane	ND		0.00117	1	03/02/2016 23:59	WG852463
1,2-Dichlorobenzene	0.00709		0.00117	1	03/02/2016 23:59	WG852463
1,3-Dichlorobenzene	ND		0.00117	1	03/02/2016 23:59	WG852463
1,4-Dichlorobenzene	ND		0.00117	1	03/02/2016 23:59	WG852463
Dichlorodifluoromethane	ND		0.00583	1	03/02/2016 23:59	WG852463
1,1-Dichloroethane	ND		0.00117	1	03/02/2016 23:59	WG852463
1,2-Dichloroethane	ND		0.00117	1	03/02/2016 23:59	WG852463
1,1-Dichloroethene	ND		0.00117	1	03/02/2016 23:59	WG852463
cis-1,2-Dichloroethene	0.00178		0.00117	1	03/02/2016 23:59	WG852463
trans-1,2-Dichloroethene	ND		0.00117	1	03/02/2016 23:59	WG852463
1,2-Dichloropropane	ND		0.00117	1	03/02/2016 23:59	WG852463
1,1-Dichloropropene	ND		0.00117	1	03/02/2016 23:59	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00117	1	03/02/2016 23:59	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00117	1	03/02/2016 23:59	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00117	1	03/02/2016 23:59	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00117	1	03/02/2016 23:59	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00117	1	03/02/2016 23:59	WG852463	⁵ Sr
Ethylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00117	1	03/02/2016 23:59	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00117	1	03/02/2016 23:59	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0117	1	03/02/2016 23:59	WG852463	
Methylene Chloride	ND		0.00583	1	03/02/2016 23:59	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0117	1	03/02/2016 23:59	WG852463	
Methyl tert-butyl ether	ND		0.00117	1	03/02/2016 23:59	WG852463	
Naphthalene	ND		0.00583	1	03/02/2016 23:59	WG852463	
n-Propylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	
Styrene	ND		0.00117	1	03/02/2016 23:59	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00117	1	03/02/2016 23:59	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00117	1	03/02/2016 23:59	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00117	1	03/02/2016 23:59	WG852463	
Tetrachloroethene	0.00133		0.00117	1	03/02/2016 23:59	WG852463	
Toluene	ND		0.00583	1	03/02/2016 23:59	WG852463	
1,2,3-Trichlorobenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	
1,2,4-Trichlorobenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	
1,1,1-Trichloroethane	ND		0.00117	1	03/02/2016 23:59	WG852463	
1,1,2-Trichloroethane	ND		0.00117	1	03/02/2016 23:59	WG852463	
Trichloroethene	ND		0.00117	1	03/02/2016 23:59	WG852463	
Trichlorofluoromethane	ND		0.00583	1	03/02/2016 23:59	WG852463	
1,2,3-Trichloropropane	ND		0.00291	1	03/02/2016 23:59	WG852463	
1,2,4-Trimethylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	
1,2,3-Trimethylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	
Vinyl chloride	0.00135		0.00117	1	03/02/2016 23:59	WG852463	
1,3,5-Trimethylbenzene	ND		0.00117	1	03/02/2016 23:59	WG852463	
Xylenes, Total	ND		0.00350	1	03/02/2016 23:59	WG852463	
(S) Toluene-d8	97.0		88.7-115		03/02/2016 23:59	WG852463	
(S) Dibromofluoromethane	103		76.3-123		03/02/2016 23:59	WG852463	
(S) 4-Bromofluorobenzene	88.8		69.7-129		03/02/2016 23:59	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.123		0.00699	1	03/05/2016 03:46	WG852910
Acenaphthene	0.0440		0.00699	1	03/05/2016 03:46	WG852910
Acenaphthylene	ND		0.00699	1	03/05/2016 03:46	WG852910
Benzo(a)anthracene	0.325		0.00699	1	03/05/2016 03:46	WG852910
Benzo(a)pyrene	0.312		0.00699	1	03/05/2016 03:46	WG852910
Benzo(b)fluoranthene	0.372		0.00699	1	03/05/2016 03:46	WG852910
Benzo(g,h,i)perylene	0.187		0.00699	1	03/05/2016 03:46	WG852910
Benzo(k)fluoranthene	0.0997		0.00699	1	03/05/2016 03:46	WG852910
Chrysene	0.281		0.00699	1	03/05/2016 03:46	WG852910
Dibenz(a,h)anthracene	0.0457		0.00699	1	03/05/2016 03:46	WG852910
Fluoranthene	0.713		0.00699	1	03/05/2016 03:46	WG852910
Fluorene	0.0484		0.00699	1	03/05/2016 03:46	WG852910
Indeno(1,2,3-cd)pyrene	0.153		0.00699	1	03/05/2016 03:46	WG852910
Naphthalene	0.0483		0.0233	1	03/05/2016 03:46	WG852910
Phenanthrene	0.475		0.00699	1	03/05/2016 03:46	WG852910
Pyrene	0.776		0.00699	1	03/05/2016 03:46	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0233	1	03/05/2016 03:46	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0233	1	03/05/2016 03:46	WG852910	² Tc
2-Chloronaphthalene	ND		0.0233	1	03/05/2016 03:46	WG852910	³ Ss
(S) Nitrobenzene-d5	73.1		22.1-146		03/05/2016 03:46	WG852910	
(S) 2-Fluorobiphenyl	81.2		40.6-122		03/05/2016 03:46	WG852910	
(S) p-Terphenyl-d14	70.8		32.2-131		03/05/2016 03:46	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	66.2		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	5.67		0.302	10	03/03/2016 15:02	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	263		3.02	1	03/03/2016 12:54	WG852854
Barium	2140		3.77	5	03/04/2016 09:06	WG852854
Cadmium	1.57		0.755	1	03/03/2016 12:54	WG852854
Chromium	64.8		1.51	1	03/03/2016 12:54	WG852854
Lead	4400		0.755	1	03/03/2016 12:54	WG852854
Selenium	ND		3.02	1	03/03/2016 12:54	WG852854
Silver	ND		1.51	1	03/04/2016 12:49	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	0.340		0.107	1.42	03/03/2016 00:17	WG852463
Acrylonitrile	ND		0.0214	1.42	03/03/2016 00:17	WG852463
Benzene	0.00222		0.00214	1.42	03/03/2016 00:17	WG852463
Bromobenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
Bromodichloromethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463
Bromoform	ND	J4	0.00214	1.42	03/03/2016 00:17	WG852463
Bromomethane	ND		0.0107	1.42	03/03/2016 00:17	WG852463
n-Butylbenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
sec-Butylbenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
tert-Butylbenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
Carbon tetrachloride	ND		0.00214	1.42	03/03/2016 00:17	WG852463
Chlorobenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
Chlorodibromomethane	ND	J4	0.00214	1.42	03/03/2016 00:17	WG852463
Chloroethane	ND		0.0107	1.42	03/03/2016 00:17	WG852463
2-Chloroethyl vinyl ether	ND		0.107	1.42	03/03/2016 00:17	WG852463
Chloroform	ND		0.0107	1.42	03/03/2016 00:17	WG852463
Chloromethane	ND		0.00536	1.42	03/03/2016 00:17	WG852463
2-Chlorotoluene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
4-Chlorotoluene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.0107	1.42	03/03/2016 00:17	WG852463
1,2-Dibromoethane	ND	J4	0.00214	1.42	03/03/2016 00:17	WG852463
Dibromomethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463
1,2-Dichlorobenzene	0.00452		0.00214	1.42	03/03/2016 00:17	WG852463
1,3-Dichlorobenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
1,4-Dichlorobenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
Dichlorodifluoromethane	ND		0.0107	1.42	03/03/2016 00:17	WG852463
1,1-Dichloroethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463
1,2-Dichloroethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463
1,1-Dichloroethene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
cis-1,2-Dichloroethene	0.00353		0.00214	1.42	03/03/2016 00:17	WG852463
trans-1,2-Dichloroethene	ND		0.00214	1.42	03/03/2016 00:17	WG852463
1,2-Dichloropropane	ND		0.00214	1.42	03/03/2016 00:17	WG852463
1,1-Dichloropropene	ND		0.00214	1.42	03/03/2016 00:17	WG852463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00214	1.42	03/03/2016 00:17	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00214	1.42	03/03/2016 00:17	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00214	1.42	03/03/2016 00:17	WG852463	⁵ Sr
Ethylbenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	⁸ Al
p-Isopropyltoluene	0.00325		0.00214	1.42	03/03/2016 00:17	WG852463	⁹ Sc
2-Butanone (MEK)	0.0601		0.0214	1.42	03/03/2016 00:17	WG852463	
Methylene Chloride	ND		0.0107	1.42	03/03/2016 00:17	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0214	1.42	03/03/2016 00:17	WG852463	
Methyl tert-butyl ether	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
Naphthalene	0.139		0.0107	1.42	03/03/2016 00:17	WG852463	
n-Propylbenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
Styrene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
Tetrachloroethene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
Toluene	ND		0.0107	1.42	03/03/2016 00:17	WG852463	
1,2,3-Trichlorobenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
1,2,4-Trichlorobenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
1,1,1-Trichloroethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
1,1,2-Trichloroethane	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
Trichloroethene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
Trichlorofluoromethane	ND		0.0107	1.42	03/03/2016 00:17	WG852463	
1,2,3-Trichloropropane	ND		0.00536	1.42	03/03/2016 00:17	WG852463	
1,2,4-Trimethylbenzene	0.00217		0.00214	1.42	03/03/2016 00:17	WG852463	
1,2,3-Trimethylbenzene	0.00498		0.00214	1.42	03/03/2016 00:17	WG852463	
Vinyl chloride	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
1,3,5-Trimethylbenzene	ND		0.00214	1.42	03/03/2016 00:17	WG852463	
Xylenes, Total	ND		0.00643	1.42	03/03/2016 00:17	WG852463	
(S) Toluene-d8	97.5		88.7-115		03/03/2016 00:17	WG852463	
(S) Dibromofluoromethane	99.8		76.3-123		03/03/2016 00:17	WG852463	
(S) 4-Bromofluorobenzene	87.9		69.7-129		03/03/2016 00:17	WG852463	

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	39.0		0.181	20	03/05/2016 08:04	WG852910
Acenaphthene	8.42		0.181	20	03/05/2016 08:04	WG852910
Acenaphthylene	7.88		0.181	20	03/05/2016 08:04	WG852910
Benzo(a)anthracene	59.0		0.181	20	03/05/2016 08:04	WG852910
Benzo(a)pyrene	43.3		0.181	20	03/05/2016 08:04	WG852910
Benzo(b)fluoranthene	53.3		0.181	20	03/05/2016 08:04	WG852910
Benzo(g,h,i)perylene	21.9		0.181	20	03/05/2016 08:04	WG852910
Benzo(k)fluoranthene	17.7		0.181	20	03/05/2016 08:04	WG852910
Chrysene	44.1		0.181	20	03/05/2016 08:04	WG852910
Dibenz(a,h)anthracene	7.38		0.181	20	03/05/2016 08:04	WG852910
Fluoranthene	141		0.453	50	03/07/2016 10:09	WG852910
Fluorene	33.5		0.181	20	03/05/2016 08:04	WG852910
Indeno(1,2,3-cd)pyrene	21.4		0.181	20	03/05/2016 08:04	WG852910
Naphthalene	17.7		0.604	20	03/05/2016 08:04	WG852910
Phenanthrene	220		0.453	50	03/07/2016 10:09	WG852910
Pyrene	123		0.453	50	03/07/2016 10:09	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	8.67		0.604	20	03/05/2016 08:04	WG852910	¹ Cp
2-Methylnaphthalene	9.93		0.604	20	03/05/2016 08:04	WG852910	² Tc
2-Chloronaphthalene	ND		0.604	20	03/05/2016 08:04	WG852910	³ Ss
(S) Nitrobenzene-d5	53.5	J7	22.1-146		03/05/2016 08:04	WG852910	
(S) 2-Fluorobiphenyl	57.1	J7	40.6-122		03/05/2016 08:04	WG852910	
(S) p-Terphenyl-d14	97.8	J7	32.2-131		03/05/2016 08:04	WG852910	⁴ Cn



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	83.0		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.266		0.0241	1	03/03/2016 10:55	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	8.53		2.41	1	03/03/2016 12:57	WG852854
Barium	1790		3.01	5	03/04/2016 09:09	WG852854
Cadmium	0.776		0.602	1	03/03/2016 12:57	WG852854
Chromium	48.2		1.20	1	03/03/2016 12:57	WG852854
Lead	287		0.602	1	03/03/2016 12:57	WG852854
Selenium	ND		2.41	1	03/03/2016 12:57	WG852854
Silver	ND		1.20	1	03/04/2016 12:57	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0569		0.0361	5	03/04/2016 12:37	WG852910
Acenaphthene	ND		0.0361	5	03/04/2016 12:37	WG852910
Acenaphthylene	ND		0.0361	5	03/04/2016 12:37	WG852910
Benz(a)anthracene	0.149		0.0361	5	03/04/2016 12:37	WG852910
Benzo(a)pyrene	0.145		0.0361	5	03/04/2016 12:37	WG852910
Benzo(b)fluoranthene	0.176		0.0361	5	03/04/2016 12:37	WG852910
Benzo(g,h,i)perylene	0.100		0.0361	5	03/04/2016 12:37	WG852910
Benzo(k)fluoranthene	0.0621		0.0361	5	03/04/2016 12:37	WG852910
Chrysene	0.139		0.0361	5	03/04/2016 12:37	WG852910
Dibenz(a,h)anthracene	ND		0.0361	5	03/04/2016 12:37	WG852910
Fluoranthene	0.327		0.0361	5	03/04/2016 12:37	WG852910
Fluorene	ND		0.0361	5	03/04/2016 12:37	WG852910
Indeno(1,2,3-cd)pyrene	0.0801		0.0361	5	03/04/2016 12:37	WG852910
Naphthalene	ND		0.120	5	03/04/2016 12:37	WG852910
Phenanthren	0.176		0.0361	5	03/04/2016 12:37	WG852910
Pyrene	0.310		0.0361	5	03/04/2016 12:37	WG852910
1-Methylnaphthalene	ND		0.120	5	03/04/2016 12:37	WG852910
2-Methylnaphthalene	ND		0.120	5	03/04/2016 12:37	WG852910
2-Chloronaphthalene	ND		0.120	5	03/04/2016 12:37	WG852910
(S) Nitrobenzene-d5	73.1		22.1-146		03/04/2016 12:37	WG852910
(S) 2-Fluorobiphenyl	81.8		40.6-122		03/04/2016 12:37	WG852910
(S) p-Terphenyl-d14	66.9		32.2-131		03/04/2016 12:37	WG852910



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	82.2		1	02/27/2016 13:04	WG852521

1 Cp

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.316		0.0243	1	03/03/2016 10:57	WG852487

2 Tc

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	25.3		2.43	1	03/03/2016 13:00	WG852854
Barium	95.8		0.609	1	03/03/2016 13:00	WG852854
Cadmium	ND		0.609	1	03/03/2016 13:00	WG852854
Chromium	41.6		1.22	1	03/03/2016 13:00	WG852854
Lead	88.9		0.609	1	03/03/2016 13:00	WG852854
Selenium	ND		2.43	1	03/03/2016 13:00	WG852854
Silver	ND		1.22	1	03/04/2016 13:00	WG853901

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 Al

9 Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0609	1	03/03/2016 00:34	WG852463
Acrylonitrile	ND		0.0122	1	03/03/2016 00:34	WG852463
Benzene	ND		0.00122	1	03/03/2016 00:34	WG852463
Bromobenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
Bromodichloromethane	ND		0.00122	1	03/03/2016 00:34	WG852463
Bromoform	ND	J4	0.00122	1	03/03/2016 00:34	WG852463
Bromomethane	ND		0.00609	1	03/03/2016 00:34	WG852463
n-Butylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
sec-Butylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
tert-Butylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
Carbon tetrachloride	ND		0.00122	1	03/03/2016 00:34	WG852463
Chlorobenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
Chlorodibromomethane	ND	J4	0.00122	1	03/03/2016 00:34	WG852463
Chloroethane	ND		0.00609	1	03/03/2016 00:34	WG852463
2-Chloroethyl vinyl ether	ND		0.0609	1	03/03/2016 00:34	WG852463
Chloroform	ND		0.00609	1	03/03/2016 00:34	WG852463
Chloromethane	ND		0.00304	1	03/03/2016 00:34	WG852463
2-Chlorotoluene	ND		0.00122	1	03/03/2016 00:34	WG852463
4-Chlorotoluene	ND		0.00122	1	03/03/2016 00:34	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00609	1	03/03/2016 00:34	WG852463
1,2-Dibromoethane	ND	J4	0.00122	1	03/03/2016 00:34	WG852463
Dibromomethane	ND		0.00122	1	03/03/2016 00:34	WG852463
1,2-Dichlorobenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
1,3-Dichlorobenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
1,4-Dichlorobenzene	ND		0.00122	1	03/03/2016 00:34	WG852463
Dichlorodifluoromethane	ND		0.00609	1	03/03/2016 00:34	WG852463
1,1-Dichloroethane	ND		0.00122	1	03/03/2016 00:34	WG852463
1,2-Dichloroethane	ND		0.00122	1	03/03/2016 00:34	WG852463
1,1-Dichloroethene	ND		0.00122	1	03/03/2016 00:34	WG852463
cis-1,2-Dichloroethene	0.00258		0.00122	1	03/03/2016 00:34	WG852463
trans-1,2-Dichloroethene	ND		0.00122	1	03/03/2016 00:34	WG852463
1,2-Dichloropropane	ND		0.00122	1	03/03/2016 00:34	WG852463
1,1-Dichloropropene	ND		0.00122	1	03/03/2016 00:34	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00122	1	03/03/2016 00:34	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00122	1	03/03/2016 00:34	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00122	1	03/03/2016 00:34	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00122	1	03/03/2016 00:34	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00122	1	03/03/2016 00:34	WG852463	⁵ Sr
Ethylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00122	1	03/03/2016 00:34	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00122	1	03/03/2016 00:34	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0122	1	03/03/2016 00:34	WG852463	
Methylene Chloride	ND		0.00609	1	03/03/2016 00:34	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0122	1	03/03/2016 00:34	WG852463	
Methyl tert-butyl ether	ND		0.00122	1	03/03/2016 00:34	WG852463	
Naphthalene	ND		0.00609	1	03/03/2016 00:34	WG852463	
n-Propylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	
Styrene	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00122	1	03/03/2016 00:34	WG852463	
Tetrachloroethene	0.00711		0.00122	1	03/03/2016 00:34	WG852463	
Toluene	ND		0.00609	1	03/03/2016 00:34	WG852463	
1,2,3-Trichlorobenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,2,4-Trichlorobenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,1,1-Trichloroethane	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,1,2-Trichloroethane	ND		0.00122	1	03/03/2016 00:34	WG852463	
Trichloroethene	ND		0.00122	1	03/03/2016 00:34	WG852463	
Trichlorofluoromethane	ND		0.00609	1	03/03/2016 00:34	WG852463	
1,2,3-Trichloropropane	ND		0.00304	1	03/03/2016 00:34	WG852463	
1,2,4-Trimethylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,2,3-Trimethylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	
Vinyl chloride	ND		0.00122	1	03/03/2016 00:34	WG852463	
1,3,5-Trimethylbenzene	ND		0.00122	1	03/03/2016 00:34	WG852463	
Xylenes, Total	ND		0.00365	1	03/03/2016 00:34	WG852463	
(S) Toluene-d8	98.9		88.7-115		03/03/2016 00:34	WG852463	
(S) Dibromofluoromethane	100		76.3-123		03/03/2016 00:34	WG852463	
(S) 4-Bromofluorobenzene	93.7		69.7-129		03/03/2016 00:34	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0171		0.00730	1	03/04/2016 09:36	WG852910
Acenaphthene	0.00769		0.00730	1	03/04/2016 09:36	WG852910
Acenaphthylene	ND		0.00730	1	03/04/2016 09:36	WG852910
Benzo(a)anthracene	0.0667		0.00730	1	03/04/2016 09:36	WG852910
Benzo(a)pyrene	0.0723		0.00730	1	03/04/2016 09:36	WG852910
Benzo(b)fluoranthene	0.0809		0.00730	1	03/04/2016 09:36	WG852910
Benzo(g,h,i)perylene	0.0439		0.00730	1	03/04/2016 09:36	WG852910
Benzo(k)fluoranthene	0.0239		0.00730	1	03/04/2016 09:36	WG852910
Chrysene	0.0625		0.00730	1	03/04/2016 09:36	WG852910
Dibenz(a,h)anthracene	0.0141		0.00730	1	03/04/2016 09:36	WG852910
Fluoranthene	0.105		0.00730	1	03/04/2016 09:36	WG852910
Fluorene	0.00890		0.00730	1	03/04/2016 09:36	WG852910
Indeno(1,2,3-cd)pyrene	0.0378		0.00730	1	03/04/2016 09:36	WG852910
Naphthalene	0.0543		0.0243	1	03/04/2016 09:36	WG852910
Phenanthrene	0.0561		0.00730	1	03/04/2016 09:36	WG852910
Pyrene	0.127		0.00730	1	03/04/2016 09:36	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0243	1	03/04/2016 09:36	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0243	1	03/04/2016 09:36	WG852910	² Tc
2-Chloronaphthalene	ND		0.0243	1	03/04/2016 09:36	WG852910	³ Ss
(S) Nitrobenzene-d5	79.5		22.1-146		03/04/2016 09:36	WG852910	
(S) 2-Fluorobiphenyl	82.4		40.6-122		03/04/2016 09:36	WG852910	
(S) p-Terphenyl-d14	75.2		32.2-131		03/04/2016 09:36	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	83.0		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.435		0.0241	1	03/03/2016 11:00	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	2.56		2.41	1	03/03/2016 13:03	WG852854
Barium	127		0.603	1	03/03/2016 13:03	WG852854
Cadmium	0.833		0.603	1	03/03/2016 13:03	WG852854
Chromium	18.1		1.21	1	03/03/2016 13:03	WG852854
Lead	339		0.603	1	03/03/2016 13:03	WG852854
Selenium	ND		2.41	1	03/03/2016 13:03	WG852854
Silver	ND		1.21	1	03/04/2016 13:03	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0603	1	03/03/2016 00:51	WG852463
Acrylonitrile	ND		0.0121	1	03/03/2016 00:51	WG852463
Benzene	ND		0.00121	1	03/03/2016 00:51	WG852463
Bromobenzene	ND	<u>J6</u>	0.00121	1	03/03/2016 00:51	WG852463
Bromodichloromethane	ND		0.00121	1	03/03/2016 00:51	WG852463
Bromoform	ND	<u>J4</u>	0.00121	1	03/03/2016 00:51	WG852463
Bromomethane	ND		0.00603	1	03/03/2016 00:51	WG852463
n-Butylbenzene	ND	<u>J6</u>	0.00121	1	03/03/2016 00:51	WG852463
sec-Butylbenzene	ND	<u>J6</u>	0.00121	1	03/03/2016 00:51	WG852463
tert-Butylbenzene	ND	<u>J3 J6</u>	0.00121	1	03/03/2016 00:51	WG852463
Carbon tetrachloride	0.00517	<u>J6</u>	0.00121	1	03/03/2016 00:51	WG852463
Chlorobenzene	ND		0.00121	1	03/03/2016 00:51	WG852463
Chlorodibromomethane	ND	<u>J4</u>	0.00121	1	03/03/2016 00:51	WG852463
Chloroethane	ND		0.00603	1	03/03/2016 00:51	WG852463
2-Chloroethyl vinyl ether	ND		0.0603	1	03/03/2016 00:51	WG852463
Chloroform	0.0459	<u>J6</u>	0.00603	1	03/03/2016 00:51	WG852463
Chloromethane	ND		0.00301	1	03/03/2016 00:51	WG852463
2-Chlorotoluene	ND	<u>J3 J6</u>	0.00121	1	03/03/2016 00:51	WG852463
4-Chlorotoluene	ND	<u>J3 J6</u>	0.00121	1	03/03/2016 00:51	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00603	1	03/03/2016 00:51	WG852463
1,2-Dibromoethane	ND	<u>J4</u>	0.00121	1	03/03/2016 00:51	WG852463
Dibromomethane	ND		0.00121	1	03/03/2016 00:51	WG852463
1,2-Dichlorobenzene	0.00176		0.00121	1	03/03/2016 00:51	WG852463
1,3-Dichlorobenzene	ND		0.00121	1	03/03/2016 00:51	WG852463
1,4-Dichlorobenzene	ND		0.00121	1	03/03/2016 00:51	WG852463
Dichlorodifluoromethane	ND		0.00603	1	03/03/2016 00:51	WG852463
1,1-Dichloroethane	ND		0.00121	1	03/03/2016 00:51	WG852463
1,2-Dichloroethane	ND		0.00121	1	03/03/2016 00:51	WG852463
1,1-Dichloroethene	ND		0.00121	1	03/03/2016 00:51	WG852463
cis-1,2-Dichloroethene	0.0195	<u>J6</u>	0.00121	1	03/03/2016 00:51	WG852463
trans-1,2-Dichloroethene	ND		0.00121	1	03/03/2016 00:51	WG852463
1,2-Dichloropropane	ND		0.00121	1	03/03/2016 00:51	WG852463
1,1-Dichloropropene	ND		0.00121	1	03/03/2016 00:51	WG852463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00121	1	03/03/2016 00:51	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 00:51	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 00:51	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00121	1	03/03/2016 00:51	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00121	1	03/03/2016 00:51	WG852463	⁵ Sr
Ethylbenzene	ND	J6	0.00121	1	03/03/2016 00:51	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00121	1	03/03/2016 00:51	WG852463	⁷ Gl
Isopropylbenzene	ND	J3 J6	0.00121	1	03/03/2016 00:51	WG852463	⁸ Al
p-Isopropyltoluene	ND	J6	0.00121	1	03/03/2016 00:51	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0121	1	03/03/2016 00:51	WG852463	
Methylene Chloride	ND		0.00603	1	03/03/2016 00:51	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0121	1	03/03/2016 00:51	WG852463	
Methyl tert-butyl ether	ND		0.00121	1	03/03/2016 00:51	WG852463	
Naphthalene	ND		0.00603	1	03/03/2016 00:51	WG852463	
n-Propylbenzene	ND	J6	0.00121	1	03/03/2016 00:51	WG852463	
Styrene	ND	J3	0.00121	1	03/03/2016 00:51	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 00:51	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 00:51	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00121	1	03/03/2016 00:51	WG852463	
Tetrachloroethene	0.112	J5	0.00121	1	03/03/2016 00:51	WG852463	
Toluene	ND	J6	0.00603	1	03/03/2016 00:51	WG852463	
1,2,3-Trichlorobenzene	0.00126		0.00121	1	03/03/2016 00:51	WG852463	
1,2,4-Trichlorobenzene	ND		0.00121	1	03/03/2016 00:51	WG852463	
1,1,1-Trichloroethane	ND		0.00121	1	03/03/2016 00:51	WG852463	
1,1,2-Trichloroethane	ND		0.00121	1	03/03/2016 00:51	WG852463	
Trichloroethene	0.0110		0.00121	1	03/03/2016 00:51	WG852463	
Trichlorofluoromethane	ND		0.00603	1	03/03/2016 00:51	WG852463	
1,2,3-Trichloropropane	ND		0.00301	1	03/03/2016 00:51	WG852463	
1,2,4-Trimethylbenzene	ND	J3 J6	0.00121	1	03/03/2016 00:51	WG852463	
1,2,3-Trimethylbenzene	ND	J6	0.00121	1	03/03/2016 00:51	WG852463	
Vinyl chloride	ND		0.00121	1	03/03/2016 00:51	WG852463	
1,3,5-Trimethylbenzene	ND	J3 J6	0.00121	1	03/03/2016 00:51	WG852463	
Xylenes, Total	ND	J3 J6	0.00362	1	03/03/2016 00:51	WG852463	
(S) Toluene-d8	98.3		88.7-115		03/03/2016 00:51	WG852463	
(S) Dibromofluoromethane	99.8		76.3-123		03/03/2016 00:51	WG852463	
(S) 4-Bromofluorobenzene	96.4		69.7-129		03/03/2016 00:51	WG852463	

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00723	1	03/04/2016 05:37	WG852910
Acenaphthene	ND		0.00723	1	03/04/2016 05:37	WG852910
Acenaphthylene	ND		0.00723	1	03/04/2016 05:37	WG852910
Benzo(a)anthracene	ND		0.00723	1	03/04/2016 05:37	WG852910
Benzo(a)pyrene	ND		0.00723	1	03/04/2016 05:37	WG852910
Benzo(b)fluoranthene	ND		0.00723	1	03/04/2016 05:37	WG852910
Benzo(g,h,i)perylene	ND		0.00723	1	03/04/2016 05:37	WG852910
Benzo(k)fluoranthene	ND		0.00723	1	03/04/2016 05:37	WG852910
Chrysene	ND		0.00723	1	03/04/2016 05:37	WG852910
Dibenz(a,h)anthracene	ND		0.00723	1	03/04/2016 05:37	WG852910
Fluoranthene	ND		0.00723	1	03/04/2016 05:37	WG852910
Fluorene	ND		0.00723	1	03/04/2016 05:37	WG852910
Indeno(1,2,3-cd)pyrene	ND		0.00723	1	03/04/2016 05:37	WG852910
Naphthalene	ND		0.0241	1	03/04/2016 05:37	WG852910
Phenanthrene	ND		0.00723	1	03/04/2016 05:37	WG852910
Pyrene	ND		0.00723	1	03/04/2016 05:37	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0241	1	03/04/2016 05:37	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0241	1	03/04/2016 05:37	WG852910	² Tc
2-Chloronaphthalene	ND		0.0241	1	03/04/2016 05:37	WG852910	³ Ss
(S) Nitrobenzene-d5	85.1		22.1-146		03/04/2016 05:37	WG852910	
(S) 2-Fluorobiphenyl	79.9		40.6-122		03/04/2016 05:37	WG852910	
(S) p-Terphenyl-d14	69.6		32.2-131		03/04/2016 05:37	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	76.0		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	1.71		0.0526	2	03/03/2016 15:05	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	5.75		2.63	1	03/03/2016 13:06	WG852854
Barium	173		0.657	1	03/03/2016 13:06	WG852854
Cadmium	0.657		0.657	1	03/03/2016 13:06	WG852854
Chromium	457		1.31	1	03/03/2016 13:06	WG852854
Lead	343		0.657	1	03/03/2016 13:06	WG852854
Selenium	ND		2.63	1	03/03/2016 13:06	WG852854
Silver	ND		1.31	1	03/04/2016 13:06	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0657	1	03/03/2016 01:08	WG852463
Acrylonitrile	ND		0.0131	1	03/03/2016 01:08	WG852463
Benzene	ND		0.00131	1	03/03/2016 01:08	WG852463
Bromobenzene	ND		0.00131	1	03/03/2016 01:08	WG852463
Bromodichloromethane	ND		0.00131	1	03/03/2016 01:08	WG852463
Bromoform	ND	J4	0.00131	1	03/03/2016 01:08	WG852463
Bromomethane	ND		0.00657	1	03/03/2016 01:08	WG852463
n-Butylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463
sec-Butylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463
tert-Butylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463
Carbon tetrachloride	ND		0.00131	1	03/03/2016 01:08	WG852463
Chlorobenzene	ND		0.00131	1	03/03/2016 01:08	WG852463
Chlorodibromomethane	ND	J4	0.00131	1	03/03/2016 01:08	WG852463
Chloroethane	ND		0.00657	1	03/03/2016 01:08	WG852463
2-Chloroethyl vinyl ether	ND		0.0657	1	03/03/2016 01:08	WG852463
Chloroform	0.0358		0.00657	1	03/03/2016 01:08	WG852463
Chloromethane	ND		0.00329	1	03/03/2016 01:08	WG852463
2-Chlorotoluene	ND		0.00131	1	03/03/2016 01:08	WG852463
4-Chlorotoluene	ND		0.00131	1	03/03/2016 01:08	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00657	1	03/03/2016 01:08	WG852463
1,2-Dibromoethane	ND	J4	0.00131	1	03/03/2016 01:08	WG852463
Dibromomethane	ND		0.00131	1	03/03/2016 01:08	WG852463
1,2-Dichlorobenzene	0.0116		0.00131	1	03/03/2016 01:08	WG852463
1,3-Dichlorobenzene	ND		0.00131	1	03/03/2016 01:08	WG852463
1,4-Dichlorobenzene	0.00151		0.00131	1	03/03/2016 01:08	WG852463
Dichlorodifluoromethane	ND		0.00657	1	03/03/2016 01:08	WG852463
1,1-Dichloroethane	ND		0.00131	1	03/03/2016 01:08	WG852463
1,2-Dichloroethane	ND		0.00131	1	03/03/2016 01:08	WG852463
1,1-Dichloroethene	ND		0.00131	1	03/03/2016 01:08	WG852463
cis-1,2-Dichloroethene	0.0832		0.00131	1	03/03/2016 01:08	WG852463
trans-1,2-Dichloroethene	ND		0.00131	1	03/03/2016 01:08	WG852463
1,2-Dichloropropane	ND		0.00131	1	03/03/2016 01:08	WG852463
1,1-Dichloropropene	ND		0.00131	1	03/03/2016 01:08	WG852463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00131	1	03/03/2016 01:08	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00131	1	03/03/2016 01:08	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00131	1	03/03/2016 01:08	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00131	1	03/03/2016 01:08	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00131	1	03/03/2016 01:08	WG852463	⁵ Sr
Ethylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00131	1	03/03/2016 01:08	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00131	1	03/03/2016 01:08	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0131	1	03/03/2016 01:08	WG852463	
Methylene Chloride	ND		0.00657	1	03/03/2016 01:08	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0131	1	03/03/2016 01:08	WG852463	
Methyl tert-butyl ether	ND		0.00131	1	03/03/2016 01:08	WG852463	
Naphthalene	ND		0.00657	1	03/03/2016 01:08	WG852463	
n-Propylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	
Styrene	ND		0.00131	1	03/03/2016 01:08	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00131	1	03/03/2016 01:08	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00131	1	03/03/2016 01:08	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00131	1	03/03/2016 01:08	WG852463	
Tetrachloroethene	0.111		0.00131	1	03/03/2016 01:08	WG852463	
Toluene	ND		0.00657	1	03/03/2016 01:08	WG852463	
1,2,3-Trichlorobenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	
1,2,4-Trichlorobenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	
1,1,1-Trichloroethane	ND		0.00131	1	03/03/2016 01:08	WG852463	
1,1,2-Trichloroethane	ND		0.00131	1	03/03/2016 01:08	WG852463	
Trichloroethene	0.0215		0.00131	1	03/03/2016 01:08	WG852463	
Trichlorofluoromethane	ND		0.00657	1	03/03/2016 01:08	WG852463	
1,2,3-Trichloropropane	ND		0.00329	1	03/03/2016 01:08	WG852463	
1,2,4-Trimethylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	
1,2,3-Trimethylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	
Vinyl chloride	0.00302		0.00131	1	03/03/2016 01:08	WG852463	
1,3,5-Trimethylbenzene	ND		0.00131	1	03/03/2016 01:08	WG852463	
Xylenes, Total	ND		0.00394	1	03/03/2016 01:08	WG852463	
(S) Toluene-d8	97.7		88.7-115		03/03/2016 01:08	WG852463	
(S) Dibromofluoromethane	101		76.3-123		03/03/2016 01:08	WG852463	
(S) 4-Bromofluorobenzene	86.5		69.7-129		03/03/2016 01:08	WG852463	

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.116		0.00789	1	03/05/2016 04:08	WG852910
Acenaphthene	0.0406		0.00789	1	03/05/2016 04:08	WG852910
Acenaphthylene	ND		0.00789	1	03/05/2016 04:08	WG852910
Benzo(a)anthracene	0.276		0.00789	1	03/05/2016 04:08	WG852910
Benzo(a)pyrene	0.231		0.00789	1	03/05/2016 04:08	WG852910
Benzo(b)fluoranthene	0.321		0.00789	1	03/05/2016 04:08	WG852910
Benzo(g,h,i)perylene	0.148		0.00789	1	03/05/2016 04:08	WG852910
Benzo(k)fluoranthene	0.107		0.00789	1	03/05/2016 04:08	WG852910
Chrysene	0.248		0.00789	1	03/05/2016 04:08	WG852910
Dibenz(a,h)anthracene	0.0429		0.00789	1	03/05/2016 04:08	WG852910
Fluoranthene	0.837		0.00789	1	03/05/2016 04:08	WG852910
Fluorene	0.0507		0.00789	1	03/05/2016 04:08	WG852910
Indeno(1,2,3-cd)pyrene	0.125		0.00789	1	03/05/2016 04:08	WG852910
Naphthalene	0.0387		0.0263	1	03/05/2016 04:08	WG852910
Phenanthrene	0.507		0.00789	1	03/05/2016 04:08	WG852910
Pyrene	0.459		0.00789	1	03/05/2016 04:08	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0263	1	03/05/2016 04:08	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0263	1	03/05/2016 04:08	WG852910	² Tc
2-Chloronaphthalene	ND		0.0263	1	03/05/2016 04:08	WG852910	³ Ss
(S) Nitrobenzene-d5	88.1		22.1-146		03/05/2016 04:08	WG852910	
(S) 2-Fluorobiphenyl	76.2		40.6-122		03/05/2016 04:08	WG852910	
(S) p-Terphenyl-d14	55.1		32.2-131		03/05/2016 04:08	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	82.9		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.416		0.0241	1	03/03/2016 11:05	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	ND		2.41	1	03/03/2016 12:28	WG852854
Barium	33.3		0.603	1	03/03/2016 12:28	WG852854
Cadmium	ND		0.603	1	03/03/2016 12:28	WG852854
Chromium	24.5		1.21	1	03/04/2016 08:40	WG852854
Lead	22.1		0.603	1	03/03/2016 12:28	WG852854
Selenium	ND		2.41	1	03/03/2016 12:28	WG852854
Silver	ND		1.21	1	03/04/2016 13:09	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0603	1	03/03/2016 01:26	WG852463
Acrylonitrile	ND		0.0121	1	03/03/2016 01:26	WG852463
Benzene	ND		0.00121	1	03/03/2016 01:26	WG852463
Bromobenzene	ND		0.00121	1	03/03/2016 01:26	WG852463
Bromodichloromethane	ND		0.00121	1	03/03/2016 01:26	WG852463
Bromoform	ND	J4	0.00121	1	03/03/2016 01:26	WG852463
Bromomethane	ND		0.00603	1	03/03/2016 01:26	WG852463
n-Butylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463
sec-Butylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463
tert-Butylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463
Carbon tetrachloride	ND		0.00121	1	03/03/2016 01:26	WG852463
Chlorobenzene	ND		0.00121	1	03/03/2016 01:26	WG852463
Chlorodibromomethane	ND	J4	0.00121	1	03/03/2016 01:26	WG852463
Chloroethane	ND		0.00603	1	03/03/2016 01:26	WG852463
2-Chloroethyl vinyl ether	ND		0.0603	1	03/03/2016 01:26	WG852463
Chloroform	ND		0.00603	1	03/03/2016 01:26	WG852463
Chloromethane	ND		0.00302	1	03/03/2016 01:26	WG852463
2-Chlorotoluene	ND		0.00121	1	03/03/2016 01:26	WG852463
4-Chlorotoluene	ND		0.00121	1	03/03/2016 01:26	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00603	1	03/03/2016 01:26	WG852463
1,2-Dibromoethane	ND	J4	0.00121	1	03/03/2016 01:26	WG852463
Dibromomethane	ND		0.00121	1	03/03/2016 01:26	WG852463
1,2-Dichlorobenzene	0.00122		0.00121	1	03/03/2016 01:26	WG852463
1,3-Dichlorobenzene	ND		0.00121	1	03/03/2016 01:26	WG852463
1,4-Dichlorobenzene	ND		0.00121	1	03/03/2016 01:26	WG852463
Dichlorodifluoromethane	ND		0.00603	1	03/03/2016 01:26	WG852463
1,1-Dichloroethane	ND		0.00121	1	03/03/2016 01:26	WG852463
1,2-Dichloroethane	ND		0.00121	1	03/03/2016 01:26	WG852463
1,1-Dichloroethene	ND		0.00121	1	03/03/2016 01:26	WG852463
cis-1,2-Dichloroethene	0.00459		0.00121	1	03/03/2016 01:26	WG852463
trans-1,2-Dichloroethene	ND		0.00121	1	03/03/2016 01:26	WG852463
1,2-Dichloropropane	ND		0.00121	1	03/03/2016 01:26	WG852463
1,1-Dichloropropene	ND		0.00121	1	03/03/2016 01:26	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00121	1	03/03/2016 01:26	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 01:26	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 01:26	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00121	1	03/03/2016 01:26	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00121	1	03/03/2016 01:26	WG852463	⁵ Sr
Ethylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00121	1	03/03/2016 01:26	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00121	1	03/03/2016 01:26	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0121	1	03/03/2016 01:26	WG852463	
Methylene Chloride	ND		0.00603	1	03/03/2016 01:26	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0121	1	03/03/2016 01:26	WG852463	
Methyl tert-butyl ether	ND		0.00121	1	03/03/2016 01:26	WG852463	
Naphthalene	ND		0.00603	1	03/03/2016 01:26	WG852463	
n-Propylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	
Styrene	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00121	1	03/03/2016 01:26	WG852463	
Tetrachloroethene	0.00324		0.00121	1	03/03/2016 01:26	WG852463	
Toluene	ND		0.00603	1	03/03/2016 01:26	WG852463	
1,2,3-Trichlorobenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,2,4-Trichlorobenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,1,1-Trichloroethane	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,1,2-Trichloroethane	ND		0.00121	1	03/03/2016 01:26	WG852463	
Trichloroethene	0.00264		0.00121	1	03/03/2016 01:26	WG852463	
Trichlorofluoromethane	ND		0.00603	1	03/03/2016 01:26	WG852463	
1,2,3-Trichloropropane	ND		0.00302	1	03/03/2016 01:26	WG852463	
1,2,4-Trimethylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,2,3-Trimethylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	
Vinyl chloride	ND		0.00121	1	03/03/2016 01:26	WG852463	
1,3,5-Trimethylbenzene	ND		0.00121	1	03/03/2016 01:26	WG852463	
Xylenes, Total	ND		0.00362	1	03/03/2016 01:26	WG852463	
(S) Toluene-d8	100		88.7-115		03/03/2016 01:26	WG852463	
(S) Dibromofluoromethane	101		76.3-123		03/03/2016 01:26	WG852463	
(S) 4-Bromofluorobenzene	105		69.7-129		03/03/2016 01:26	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00724	1	03/04/2016 06:42	WG852910
Acenaphthene	ND		0.00724	1	03/04/2016 06:42	WG852910
Acenaphthylene	ND		0.00724	1	03/04/2016 06:42	WG852910
Benz(a)anthracene	ND		0.00724	1	03/04/2016 06:42	WG852910
Benzo(a)pyrene	ND		0.00724	1	03/04/2016 06:42	WG852910
Benzo(b)fluoranthene	ND		0.00724	1	03/04/2016 06:42	WG852910
Benzo(g,h,i)perylene	ND		0.00724	1	03/04/2016 06:42	WG852910
Benzo(k)fluoranthene	ND		0.00724	1	03/04/2016 06:42	WG852910
Chrysene	ND		0.00724	1	03/04/2016 06:42	WG852910
Dibenz(a,h)anthracene	ND		0.00724	1	03/04/2016 06:42	WG852910
Fluoranthene	0.0116		0.00724	1	03/04/2016 06:42	WG852910
Fluorene	ND		0.00724	1	03/04/2016 06:42	WG852910
Indeno(1,2,3-cd)pyrene	ND		0.00724	1	03/04/2016 06:42	WG852910
Naphthalene	ND		0.0241	1	03/04/2016 06:42	WG852910
Phenanthrene	0.00962		0.00724	1	03/04/2016 06:42	WG852910
Pyrene	0.0119		0.00724	1	03/04/2016 06:42	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0241	1	03/04/2016 06:42	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0241	1	03/04/2016 06:42	WG852910	² Tc
2-Chloronaphthalene	ND		0.0241	1	03/04/2016 06:42	WG852910	³ Ss
(S) Nitrobenzene-d5	82.3		22.1-146		03/04/2016 06:42	WG852910	
(S) 2-Fluorobiphenyl	80.9		40.6-122		03/04/2016 06:42	WG852910	
(S) p-Terphenyl-d14	76.3		32.2-131		03/04/2016 06:42	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	86.8		1	02/27/2016 13:04	WG852521

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.180		0.0230	1	03/03/2016 11:08	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	5.55		2.30	1	03/03/2016 13:09	WG852854
Barium	59.0		0.576	1	03/03/2016 13:09	WG852854
Cadmium	ND		0.576	1	03/03/2016 13:09	WG852854
Chromium	15.1		1.15	1	03/03/2016 13:09	WG852854
Lead	90.6		0.576	1	03/03/2016 13:09	WG852854
Selenium	ND		2.30	1	03/03/2016 13:09	WG852854
Silver	ND		1.15	1	03/04/2016 13:11	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0576	1	03/03/2016 01:43	WG852463
Acrylonitrile	ND		0.0115	1	03/03/2016 01:43	WG852463
Benzene	ND		0.00115	1	03/03/2016 01:43	WG852463
Bromobenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
Bromodichloromethane	ND		0.00115	1	03/03/2016 01:43	WG852463
Bromoform	ND	J4	0.00115	1	03/03/2016 01:43	WG852463
Bromomethane	ND		0.00576	1	03/03/2016 01:43	WG852463
n-Butylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
sec-Butylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
tert-Butylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
Carbon tetrachloride	ND		0.00115	1	03/03/2016 01:43	WG852463
Chlorobenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
Chlorodibromomethane	ND	J4	0.00115	1	03/03/2016 01:43	WG852463
Chloroethane	ND		0.00576	1	03/03/2016 01:43	WG852463
2-Chloroethyl vinyl ether	ND		0.0576	1	03/03/2016 01:43	WG852463
Chloroform	ND		0.00576	1	03/03/2016 01:43	WG852463
Chloromethane	ND		0.00288	1	03/03/2016 01:43	WG852463
2-Chlorotoluene	ND		0.00115	1	03/03/2016 01:43	WG852463
4-Chlorotoluene	ND		0.00115	1	03/03/2016 01:43	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00576	1	03/03/2016 01:43	WG852463
1,2-Dibromoethane	ND	J4	0.00115	1	03/03/2016 01:43	WG852463
Dibromomethane	ND		0.00115	1	03/03/2016 01:43	WG852463
1,2-Dichlorobenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
1,3-Dichlorobenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
1,4-Dichlorobenzene	ND		0.00115	1	03/03/2016 01:43	WG852463
Dichlorodifluoromethane	ND		0.00576	1	03/03/2016 01:43	WG852463
1,1-Dichloroethane	ND		0.00115	1	03/03/2016 01:43	WG852463
1,2-Dichloroethane	ND		0.00115	1	03/03/2016 01:43	WG852463
1,1-Dichloroethene	ND		0.00115	1	03/03/2016 01:43	WG852463
cis-1,2-Dichloroethene	0.0205		0.00115	1	03/03/2016 01:43	WG852463
trans-1,2-Dichloroethene	ND		0.00115	1	03/03/2016 01:43	WG852463
1,2-Dichloropropane	ND		0.00115	1	03/03/2016 01:43	WG852463
1,1-Dichloropropene	ND		0.00115	1	03/03/2016 01:43	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00115	1	03/03/2016 01:43	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00115	1	03/03/2016 01:43	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00115	1	03/03/2016 01:43	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00115	1	03/03/2016 01:43	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00115	1	03/03/2016 01:43	WG852463	⁵ Sr
Ethylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00115	1	03/03/2016 01:43	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00115	1	03/03/2016 01:43	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0115	1	03/03/2016 01:43	WG852463	
Methylene Chloride	ND		0.00576	1	03/03/2016 01:43	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0115	1	03/03/2016 01:43	WG852463	
Methyl tert-butyl ether	ND		0.00115	1	03/03/2016 01:43	WG852463	
Naphthalene	ND		0.00576	1	03/03/2016 01:43	WG852463	
n-Propylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	
Styrene	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00115	1	03/03/2016 01:43	WG852463	
Tetrachloroethene	0.0318		0.00115	1	03/03/2016 01:43	WG852463	
Toluene	ND		0.00576	1	03/03/2016 01:43	WG852463	
1,2,3-Trichlorobenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,2,4-Trichlorobenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,1,1-Trichloroethane	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,1,2-Trichloroethane	ND		0.00115	1	03/03/2016 01:43	WG852463	
Trichloroethene	0.00627		0.00115	1	03/03/2016 01:43	WG852463	
Trichlorofluoromethane	ND		0.00576	1	03/03/2016 01:43	WG852463	
1,2,3-Trichloropropane	ND		0.00288	1	03/03/2016 01:43	WG852463	
1,2,4-Trimethylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,2,3-Trimethylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	
Vinyl chloride	ND		0.00115	1	03/03/2016 01:43	WG852463	
1,3,5-Trimethylbenzene	ND		0.00115	1	03/03/2016 01:43	WG852463	
Xylenes, Total	ND		0.00346	1	03/03/2016 01:43	WG852463	
(S) Toluene-d8	98.2		88.7-115		03/03/2016 01:43	WG852463	
(S) Dibromofluoromethane	99.1		76.3-123		03/03/2016 01:43	WG852463	
(S) 4-Bromofluorobenzene	96.7		69.7-129		03/03/2016 01:43	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.136		0.00691	1	03/05/2016 04:29	WG852910
Acenaphthene	0.0553		0.00691	1	03/05/2016 04:29	WG852910
Acenaphthylene	ND		0.00691	1	03/05/2016 04:29	WG852910
Benzo(a)anthracene	0.331		0.00691	1	03/05/2016 04:29	WG852910
Benzo(a)pyrene	0.326		0.00691	1	03/05/2016 04:29	WG852910
Benzo(b)fluoranthene	0.304		0.00691	1	03/05/2016 04:29	WG852910
Benzo(g,h,i)perylene	0.231		0.00691	1	03/05/2016 04:29	WG852910
Benzo(k)fluoranthene	0.120		0.00691	1	03/05/2016 04:29	WG852910
Chrysene	0.301		0.00691	1	03/05/2016 04:29	WG852910
Dibenz(a,h)anthracene	0.0549		0.00691	1	03/05/2016 04:29	WG852910
Fluoranthene	0.495		0.00691	1	03/05/2016 04:29	WG852910
Fluorene	0.0373		0.00691	1	03/05/2016 04:29	WG852910
Indeno(1,2,3-cd)pyrene	0.145		0.00691	1	03/05/2016 04:29	WG852910
Naphthalene	0.0252		0.0230	1	03/05/2016 04:29	WG852910
Phenanthrene	0.462		0.00691	1	03/05/2016 04:29	WG852910
Pyrene	0.710		0.00691	1	03/05/2016 04:29	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0230	1	03/05/2016 04:29	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0230	1	03/05/2016 04:29	WG852910	² Tc
2-Chloronaphthalene	ND		0.0230	1	03/05/2016 04:29	WG852910	³ Ss
(S) Nitrobenzene-d5	76.1		22.1-146		03/05/2016 04:29	WG852910	
(S) 2-Fluorobiphenyl	86.4		40.6-122		03/05/2016 04:29	WG852910	
(S) p-Terphenyl-d14	76.3		32.2-131		03/05/2016 04:29	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	73.7		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.936		0.0271	1	03/03/2016 11:15	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	32.9		2.71	1	03/03/2016 13:12	WG852854
Barium	514		0.679	1	03/03/2016 13:12	WG852854
Cadmium	ND		0.679	1	03/03/2016 13:12	WG852854
Chromium	41.2		1.36	1	03/03/2016 13:12	WG852854
Lead	587		0.679	1	03/03/2016 13:12	WG852854
Selenium	ND		2.71	1	03/03/2016 13:12	WG852854
Silver	ND		1.36	1	03/04/2016 13:14	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0679	1	03/03/2016 02:00	WG852463
Acrylonitrile	ND		0.0136	1	03/03/2016 02:00	WG852463
Benzene	ND		0.00136	1	03/03/2016 02:00	WG852463
Bromobenzene	ND		0.00136	1	03/03/2016 02:00	WG852463
Bromodichloromethane	ND		0.00136	1	03/03/2016 02:00	WG852463
Bromoform	ND	J4	0.00136	1	03/03/2016 02:00	WG852463
Bromomethane	ND		0.00679	1	03/03/2016 02:00	WG852463
n-Butylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463
sec-Butylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463
tert-Butylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463
Carbon tetrachloride	ND		0.00136	1	03/03/2016 02:00	WG852463
Chlorobenzene	ND		0.00136	1	03/03/2016 02:00	WG852463
Chlorodibromomethane	ND	J4	0.00136	1	03/03/2016 02:00	WG852463
Chloroethane	ND		0.00679	1	03/03/2016 02:00	WG852463
2-Chloroethyl vinyl ether	ND		0.0679	1	03/03/2016 02:00	WG852463
Chloroform	0.00729		0.00679	1	03/03/2016 02:00	WG852463
Chloromethane	ND		0.00339	1	03/03/2016 02:00	WG852463
2-Chlorotoluene	ND		0.00136	1	03/03/2016 02:00	WG852463
4-Chlorotoluene	ND		0.00136	1	03/03/2016 02:00	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00679	1	03/03/2016 02:00	WG852463
1,2-Dibromoethane	ND	J4	0.00136	1	03/03/2016 02:00	WG852463
Dibromomethane	ND		0.00136	1	03/03/2016 02:00	WG852463
1,2-Dichlorobenzene	0.00575		0.00136	1	03/03/2016 02:00	WG852463
1,3-Dichlorobenzene	ND		0.00136	1	03/03/2016 02:00	WG852463
1,4-Dichlorobenzene	ND		0.00136	1	03/03/2016 02:00	WG852463
Dichlorodifluoromethane	ND		0.00679	1	03/03/2016 02:00	WG852463
1,1-Dichloroethane	ND		0.00136	1	03/03/2016 02:00	WG852463
1,2-Dichloroethane	ND		0.00136	1	03/03/2016 02:00	WG852463
1,1-Dichloroethene	ND		0.00136	1	03/03/2016 02:00	WG852463
cis-1,2-Dichloroethene	0.0158		0.00136	1	03/03/2016 02:00	WG852463
trans-1,2-Dichloroethene	0.00207		0.00136	1	03/03/2016 02:00	WG852463
1,2-Dichloropropane	ND		0.00136	1	03/03/2016 02:00	WG852463
1,1-Dichloropropene	ND		0.00136	1	03/03/2016 02:00	WG852463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00136	1	03/03/2016 02:00	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00136	1	03/03/2016 02:00	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00136	1	03/03/2016 02:00	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00136	1	03/03/2016 02:00	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00136	1	03/03/2016 02:00	WG852463	⁵ Sr
Ethylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00136	1	03/03/2016 02:00	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00136	1	03/03/2016 02:00	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0136	1	03/03/2016 02:00	WG852463	
Methylene Chloride	ND		0.00679	1	03/03/2016 02:00	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0136	1	03/03/2016 02:00	WG852463	
Methyl tert-butyl ether	ND		0.00136	1	03/03/2016 02:00	WG852463	
Naphthalene	ND		0.00679	1	03/03/2016 02:00	WG852463	
n-Propylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	
Styrene	ND		0.00136	1	03/03/2016 02:00	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00136	1	03/03/2016 02:00	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00136	1	03/03/2016 02:00	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00136	1	03/03/2016 02:00	WG852463	
Tetrachloroethene	0.00642		0.00136	1	03/03/2016 02:00	WG852463	
Toluene	ND		0.00679	1	03/03/2016 02:00	WG852463	
1,2,3-Trichlorobenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	
1,2,4-Trichlorobenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	
1,1,1-Trichloroethane	ND		0.00136	1	03/03/2016 02:00	WG852463	
1,1,2-Trichloroethane	ND		0.00136	1	03/03/2016 02:00	WG852463	
Trichloroethene	0.00340		0.00136	1	03/03/2016 02:00	WG852463	
Trichlorofluoromethane	ND		0.00679	1	03/03/2016 02:00	WG852463	
1,2,3-Trichloropropane	ND		0.00339	1	03/03/2016 02:00	WG852463	
1,2,4-Trimethylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	
1,2,3-Trimethylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	
Vinyl chloride	0.0118		0.00136	1	03/03/2016 02:00	WG852463	
1,3,5-Trimethylbenzene	ND		0.00136	1	03/03/2016 02:00	WG852463	
Xylenes, Total	ND		0.00407	1	03/03/2016 02:00	WG852463	
(S) Toluene-d8	98.5		88.7-115		03/03/2016 02:00	WG852463	
(S) Dibromofluoromethane	99.4		76.3-123		03/03/2016 02:00	WG852463	
(S) 4-Bromofluorobenzene	92.1		69.7-129		03/03/2016 02:00	WG852463	

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	2.01		0.0814	10	03/04/2016 13:20	WG852910
Acenaphthene	0.771		0.0814	10	03/04/2016 13:20	WG852910
Acenaphthylene	ND		0.0814	10	03/04/2016 13:20	WG852910
Benzo(a)anthracene	4.64		0.0814	10	03/04/2016 13:20	WG852910
Benzo(a)pyrene	4.32		0.0814	10	03/04/2016 13:20	WG852910
Benzo(b)fluoranthene	5.42		0.0814	10	03/04/2016 13:20	WG852910
Benzo(g,h,i)perylene	2.71		0.0814	10	03/04/2016 13:20	WG852910
Benzo(k)fluoranthene	1.58		0.0814	10	03/04/2016 13:20	WG852910
Chrysene	4.49		0.0814	10	03/04/2016 13:20	WG852910
Dibenz(a,h)anthracene	0.686		0.0814	10	03/04/2016 13:20	WG852910
Fluoranthene	11.3		0.0814	10	03/04/2016 13:20	WG852910
Fluorene	0.997		0.0814	10	03/04/2016 13:20	WG852910
Indeno(1,2,3-cd)pyrene	2.16		0.0814	10	03/04/2016 13:20	WG852910
Naphthalene	ND		0.271	10	03/04/2016 13:20	WG852910
Phenanthrene	10.6		0.0814	10	03/04/2016 13:20	WG852910
Pyrene	10.9		0.0814	10	03/04/2016 13:20	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.271	10	03/04/2016 13:20	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.271	10	03/04/2016 13:20	WG852910	² Tc
2-Chloronaphthalene	ND		0.271	10	03/04/2016 13:20	WG852910	³ Ss
(S) Nitrobenzene-d5	64.6		22.1-146		03/04/2016 13:20	WG852910	
(S) 2-Fluorobiphenyl	73.7		40.6-122		03/04/2016 13:20	WG852910	
(S) p-Terphenyl-d14	63.4		32.2-131		03/04/2016 13:20	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	85.4		1	02/27/2016 12:31	WG852522

¹ Cp

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	1.95		0.117	5	03/03/2016 15:08	WG852487

² Tc

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	3.07		2.34	1	03/03/2016 13:15	WG852854
Barium	91.6		0.586	1	03/03/2016 13:15	WG852854
Cadmium	ND		0.586	1	03/03/2016 13:15	WG852854
Chromium	47.6		1.17	1	03/03/2016 13:15	WG852854
Lead	69.5		0.586	1	03/03/2016 13:15	WG852854
Selenium	ND		2.34	1	03/03/2016 13:15	WG852854
Silver	ND		1.17	1	03/04/2016 13:17	WG853901

³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0586	1	03/03/2016 02:17	WG852463
Acrylonitrile	ND		0.0117	1	03/03/2016 02:17	WG852463
Benzene	ND		0.00117	1	03/03/2016 02:17	WG852463
Bromobenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
Bromodichloromethane	ND		0.00117	1	03/03/2016 02:17	WG852463
Bromoform	ND	J4	0.00117	1	03/03/2016 02:17	WG852463
Bromomethane	ND		0.00586	1	03/03/2016 02:17	WG852463
n-Butylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
sec-Butylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
tert-Butylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
Carbon tetrachloride	ND		0.00117	1	03/03/2016 02:17	WG852463
Chlorobenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
Chlorodibromomethane	ND	J4	0.00117	1	03/03/2016 02:17	WG852463
Chloroethane	ND		0.00586	1	03/03/2016 02:17	WG852463
2-Chloroethyl vinyl ether	ND		0.0586	1	03/03/2016 02:17	WG852463
Chloroform	0.0134		0.00586	1	03/03/2016 02:17	WG852463
Chloromethane	ND		0.00293	1	03/03/2016 02:17	WG852463
2-Chlorotoluene	ND		0.00117	1	03/03/2016 02:17	WG852463
4-Chlorotoluene	ND		0.00117	1	03/03/2016 02:17	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00586	1	03/03/2016 02:17	WG852463
1,2-Dibromoethane	ND	J4	0.00117	1	03/03/2016 02:17	WG852463
Dibromomethane	ND		0.00117	1	03/03/2016 02:17	WG852463
1,2-Dichlorobenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
1,3-Dichlorobenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
1,4-Dichlorobenzene	ND		0.00117	1	03/03/2016 02:17	WG852463
Dichlorodifluoromethane	ND		0.00586	1	03/03/2016 02:17	WG852463
1,1-Dichloroethane	ND		0.00117	1	03/03/2016 02:17	WG852463
1,2-Dichloroethane	ND		0.00117	1	03/03/2016 02:17	WG852463
1,1-Dichloroethene	ND		0.00117	1	03/03/2016 02:17	WG852463
cis-1,2-Dichloroethene	0.0306		0.00117	1	03/03/2016 02:17	WG852463
trans-1,2-Dichloroethene	ND		0.00117	1	03/03/2016 02:17	WG852463
1,2-Dichloropropane	ND		0.00117	1	03/03/2016 02:17	WG852463
1,1-Dichloropropene	ND		0.00117	1	03/03/2016 02:17	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00117	1	03/03/2016 02:17	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00117	1	03/03/2016 02:17	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00117	1	03/03/2016 02:17	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00117	1	03/03/2016 02:17	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00117	1	03/03/2016 02:17	WG852463	⁵ Sr
Ethylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00117	1	03/03/2016 02:17	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00117	1	03/03/2016 02:17	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0117	1	03/03/2016 02:17	WG852463	
Methylene Chloride	ND		0.00586	1	03/03/2016 02:17	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0117	1	03/03/2016 02:17	WG852463	
Methyl tert-butyl ether	ND		0.00117	1	03/03/2016 02:17	WG852463	
Naphthalene	ND		0.00586	1	03/03/2016 02:17	WG852463	
n-Propylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	
Styrene	ND		0.00117	1	03/03/2016 02:17	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00117	1	03/03/2016 02:17	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00117	1	03/03/2016 02:17	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00117	1	03/03/2016 02:17	WG852463	
Tetrachloroethene	0.0142		0.00117	1	03/03/2016 02:17	WG852463	
Toluene	ND		0.00586	1	03/03/2016 02:17	WG852463	
1,2,3-Trichlorobenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	
1,2,4-Trichlorobenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	
1,1,1-Trichloroethane	ND		0.00117	1	03/03/2016 02:17	WG852463	
1,1,2-Trichloroethane	ND		0.00117	1	03/03/2016 02:17	WG852463	
Trichloroethene	0.0178		0.00117	1	03/03/2016 02:17	WG852463	
Trichlorofluoromethane	ND		0.00586	1	03/03/2016 02:17	WG852463	
1,2,3-Trichloropropane	ND		0.00293	1	03/03/2016 02:17	WG852463	
1,2,4-Trimethylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	
1,2,3-Trimethylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	
Vinyl chloride	0.0136		0.00117	1	03/03/2016 02:17	WG852463	
1,3,5-Trimethylbenzene	ND		0.00117	1	03/03/2016 02:17	WG852463	
Xylenes, Total	ND		0.00351	1	03/03/2016 02:17	WG852463	
(S) Toluene-d8	99.7		88.7-115		03/03/2016 02:17	WG852463	
(S) Dibromofluoromethane	101		76.3-123		03/03/2016 02:17	WG852463	
(S) 4-Bromofluorobenzene	90.1		69.7-129		03/03/2016 02:17	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.198		0.0703	10	03/05/2016 07:00	WG852910
Acenaphthene	ND		0.0703	10	03/05/2016 07:00	WG852910
Acenaphthylene	ND		0.0703	10	03/05/2016 07:00	WG852910
Benzo(a)anthracene	0.699		0.0703	10	03/05/2016 07:00	WG852910
Benzo(a)pyrene	0.645		0.0703	10	03/05/2016 07:00	WG852910
Benzo(b)fluoranthene	0.788		0.0703	10	03/05/2016 07:00	WG852910
Benzo(g,h,i)perylene	0.397		0.0703	10	03/05/2016 07:00	WG852910
Benzo(k)fluoranthene	0.203		0.0703	10	03/05/2016 07:00	WG852910
Chrysene	0.655		0.0703	10	03/05/2016 07:00	WG852910
Dibenz(a,h)anthracene	0.104		0.0703	10	03/05/2016 07:00	WG852910
Fluoranthene	1.39		0.0703	10	03/05/2016 07:00	WG852910
Fluorene	ND		0.0703	10	03/05/2016 07:00	WG852910
Indeno(1,2,3-cd)pyrene	0.323		0.0703	10	03/05/2016 07:00	WG852910
Naphthalene	ND		0.234	10	03/05/2016 07:00	WG852910
Phenanthrene	0.676		0.0703	10	03/05/2016 07:00	WG852910
Pyrene	1.42		0.0703	10	03/05/2016 07:00	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.234	10	03/05/2016 07:00	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.234	10	03/05/2016 07:00	WG852910	² Tc
2-Chloronaphthalene	ND		0.234	10	03/05/2016 07:00	WG852910	³ Ss
(S) Nitrobenzene-d5	76.0		22.1-146		03/05/2016 07:00	WG852910	
(S) 2-Fluorobiphenyl	79.9		40.6-122		03/05/2016 07:00	WG852910	
(S) p-Terphenyl-d14	66.1		32.2-131		03/05/2016 07:00	WG852910	⁴ Cn
							⁵ Sr
							⁶ Qc
							⁷ Gl
							⁸ Al
							⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	88.8		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	4.05	V	0.225	10	03/03/2016 15:00	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	6.19		2.25	1	03/03/2016 13:18	WG852854
Barium	51.8		0.563	1	03/03/2016 13:18	WG852854
Cadmium	ND		0.563	1	03/03/2016 13:18	WG852854
Chromium	69.3		1.13	1	03/03/2016 13:18	WG852854
Lead	41.1		0.563	1	03/03/2016 13:18	WG852854
Selenium	ND		2.25	1	03/03/2016 13:18	WG852854
Silver	ND		1.13	1	03/04/2016 13:20	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0563	1	03/03/2016 02:35	WG852463
Acrylonitrile	ND		0.0113	1	03/03/2016 02:35	WG852463
Benzene	ND		0.00113	1	03/03/2016 02:35	WG852463
Bromobenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
Bromodichloromethane	ND		0.00113	1	03/03/2016 02:35	WG852463
Bromoform	ND	J4	0.00113	1	03/03/2016 02:35	WG852463
Bromomethane	ND		0.00563	1	03/03/2016 02:35	WG852463
n-Butylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
sec-Butylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
tert-Butylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
Carbon tetrachloride	ND		0.00113	1	03/03/2016 02:35	WG852463
Chlorobenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
Chlorodibromomethane	ND	J4	0.00113	1	03/03/2016 02:35	WG852463
Chloroethane	ND		0.00563	1	03/03/2016 02:35	WG852463
2-Chloroethyl vinyl ether	ND		0.0563	1	03/03/2016 02:35	WG852463
Chloroform	ND		0.00563	1	03/03/2016 02:35	WG852463
Chloromethane	ND		0.00282	1	03/03/2016 02:35	WG852463
2-Chlorotoluene	ND		0.00113	1	03/03/2016 02:35	WG852463
4-Chlorotoluene	ND		0.00113	1	03/03/2016 02:35	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00563	1	03/03/2016 02:35	WG852463
1,2-Dibromoethane	ND	J4	0.00113	1	03/03/2016 02:35	WG852463
Dibromomethane	ND		0.00113	1	03/03/2016 02:35	WG852463
1,2-Dichlorobenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
1,3-Dichlorobenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
1,4-Dichlorobenzene	ND		0.00113	1	03/03/2016 02:35	WG852463
Dichlorodifluoromethane	ND		0.00563	1	03/03/2016 02:35	WG852463
1,1-Dichloroethane	ND		0.00113	1	03/03/2016 02:35	WG852463
1,2-Dichloroethane	ND		0.00113	1	03/03/2016 02:35	WG852463
1,1-Dichloroethene	ND		0.00113	1	03/03/2016 02:35	WG852463
cis-1,2-Dichloroethene	0.00122		0.00113	1	03/03/2016 02:35	WG852463
trans-1,2-Dichloroethene	0.00289		0.00113	1	03/03/2016 02:35	WG852463
1,2-Dichloropropane	ND		0.00113	1	03/03/2016 02:35	WG852463
1,1-Dichloropropene	ND		0.00113	1	03/03/2016 02:35	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00113	1	03/03/2016 02:35	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00113	1	03/03/2016 02:35	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00113	1	03/03/2016 02:35	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00113	1	03/03/2016 02:35	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00113	1	03/03/2016 02:35	WG852463	⁵ Sr
Ethylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00113	1	03/03/2016 02:35	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00113	1	03/03/2016 02:35	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0113	1	03/03/2016 02:35	WG852463	
Methylene Chloride	ND		0.00563	1	03/03/2016 02:35	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0113	1	03/03/2016 02:35	WG852463	
Methyl tert-butyl ether	ND		0.00113	1	03/03/2016 02:35	WG852463	
Naphthalene	ND		0.00563	1	03/03/2016 02:35	WG852463	
n-Propylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	
Styrene	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00113	1	03/03/2016 02:35	WG852463	
Tetrachloroethene	0.00219		0.00113	1	03/03/2016 02:35	WG852463	
Toluene	ND		0.00563	1	03/03/2016 02:35	WG852463	
1,2,3-Trichlorobenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,2,4-Trichlorobenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,1,1-Trichloroethane	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,1,2-Trichloroethane	ND		0.00113	1	03/03/2016 02:35	WG852463	
Trichloroethene	0.00131		0.00113	1	03/03/2016 02:35	WG852463	
Trichlorofluoromethane	ND		0.00563	1	03/03/2016 02:35	WG852463	
1,2,3-Trichloropropane	ND		0.00282	1	03/03/2016 02:35	WG852463	
1,2,4-Trimethylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,2,3-Trimethylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	
Vinyl chloride	ND		0.00113	1	03/03/2016 02:35	WG852463	
1,3,5-Trimethylbenzene	ND		0.00113	1	03/03/2016 02:35	WG852463	
Xylenes, Total	ND		0.00338	1	03/03/2016 02:35	WG852463	
(S) Toluene-d8	99.1		88.7-115		03/03/2016 02:35	WG852463	
(S) Dibromofluoromethane	104		76.3-123		03/03/2016 02:35	WG852463	
(S) 4-Bromofluorobenzene	95.9		69.7-129		03/03/2016 02:35	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.0676	10	03/05/2016 07:21	WG852910
Acenaphthene	ND		0.0676	10	03/05/2016 07:21	WG852910
Acenaphthylene	ND		0.0676	10	03/05/2016 07:21	WG852910
Benzo(a)anthracene	ND		0.0676	10	03/05/2016 07:21	WG852910
Benzo(a)pyrene	ND		0.0676	10	03/05/2016 07:21	WG852910
Benzo(b)fluoranthene	ND		0.0676	10	03/05/2016 07:21	WG852910
Benzo(g,h,i)perylene	ND		0.0676	10	03/05/2016 07:21	WG852910
Benzo(k)fluoranthene	ND		0.0676	10	03/05/2016 07:21	WG852910
Chrysene	ND		0.0676	10	03/05/2016 07:21	WG852910
Dibenz(a,h)anthracene	ND		0.0676	10	03/05/2016 07:21	WG852910
Fluoranthene	0.116		0.0676	10	03/05/2016 07:21	WG852910
Fluorene	ND		0.0676	10	03/05/2016 07:21	WG852910
Indeno(1,2,3-cd)pyrene	ND		0.0676	10	03/05/2016 07:21	WG852910
Naphthalene	ND		0.225	10	03/05/2016 07:21	WG852910
Phenanthrene	0.0742		0.0676	10	03/05/2016 07:21	WG852910
Pyrene	0.111		0.0676	10	03/05/2016 07:21	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.225	10	03/05/2016 07:21	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.225	10	03/05/2016 07:21	WG852910	² Tc
2-Chloronaphthalene	ND		0.225	10	03/05/2016 07:21	WG852910	³ Ss
(S) Nitrobenzene-d5	84.6		22.1-146		03/05/2016 07:21	WG852910	
(S) 2-Fluorobiphenyl	86.7		40.6-122		03/05/2016 07:21	WG852910	
(S) p-Terphenyl-d14	71.2		32.2-131		03/05/2016 07:21	WG852910	⁴ Cn

Sample Narrative:

8270D-SIM L820216-12 WG852910: Dilution due to matrix

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	78.7		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.749		0.0254	1	03/03/2016 11:21	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	4.28		2.54	1	03/03/2016 13:20	WG852854
Barium	55.7		0.636	1	03/03/2016 13:20	WG852854
Cadmium	ND		0.636	1	03/03/2016 13:20	WG852854
Chromium	14.0		1.27	1	03/03/2016 13:20	WG852854
Lead	117		0.636	1	03/03/2016 13:20	WG852854
Selenium	ND		2.54	1	03/03/2016 13:20	WG852854
Silver	ND		1.27	1	03/04/2016 13:23	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0636	1	03/03/2016 02:52	WG852463
Acrylonitrile	ND		0.0127	1	03/03/2016 02:52	WG852463
Benzene	ND		0.00127	1	03/03/2016 02:52	WG852463
Bromobenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
Bromodichloromethane	ND		0.00127	1	03/03/2016 02:52	WG852463
Bromoform	ND	J4	0.00127	1	03/03/2016 02:52	WG852463
Bromomethane	ND		0.00636	1	03/03/2016 02:52	WG852463
n-Butylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
sec-Butylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
tert-Butylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
Carbon tetrachloride	ND		0.00127	1	03/03/2016 02:52	WG852463
Chlorobenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
Chlorodibromomethane	ND	J4	0.00127	1	03/03/2016 02:52	WG852463
Chloroethane	ND		0.00636	1	03/03/2016 02:52	WG852463
2-Chloroethyl vinyl ether	ND		0.0636	1	03/03/2016 02:52	WG852463
Chloroform	ND		0.00636	1	03/03/2016 02:52	WG852463
Chloromethane	ND		0.00318	1	03/03/2016 02:52	WG852463
2-Chlorotoluene	ND		0.00127	1	03/03/2016 02:52	WG852463
4-Chlorotoluene	ND		0.00127	1	03/03/2016 02:52	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00636	1	03/03/2016 02:52	WG852463
1,2-Dibromoethane	ND	J4	0.00127	1	03/03/2016 02:52	WG852463
Dibromomethane	ND		0.00127	1	03/03/2016 02:52	WG852463
1,2-Dichlorobenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
1,3-Dichlorobenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
1,4-Dichlorobenzene	ND		0.00127	1	03/03/2016 02:52	WG852463
Dichlorodifluoromethane	ND		0.00636	1	03/03/2016 02:52	WG852463
1,1-Dichloroethane	ND		0.00127	1	03/03/2016 02:52	WG852463
1,2-Dichloroethane	ND		0.00127	1	03/03/2016 02:52	WG852463
1,1-Dichloroethene	ND		0.00127	1	03/03/2016 02:52	WG852463
cis-1,2-Dichloroethene	ND		0.00127	1	03/03/2016 02:52	WG852463
trans-1,2-Dichloroethene	ND		0.00127	1	03/03/2016 02:52	WG852463
1,2-Dichloropropane	ND		0.00127	1	03/03/2016 02:52	WG852463
1,1-Dichloropropene	ND		0.00127	1	03/03/2016 02:52	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00127	1	03/03/2016 02:52	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00127	1	03/03/2016 02:52	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00127	1	03/03/2016 02:52	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00127	1	03/03/2016 02:52	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00127	1	03/03/2016 02:52	WG852463	⁵ Sr
Ethylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00127	1	03/03/2016 02:52	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00127	1	03/03/2016 02:52	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0127	1	03/03/2016 02:52	WG852463	
Methylene Chloride	ND		0.00636	1	03/03/2016 02:52	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0127	1	03/03/2016 02:52	WG852463	
Methyl tert-butyl ether	ND		0.00127	1	03/03/2016 02:52	WG852463	
Naphthalene	ND		0.00636	1	03/03/2016 02:52	WG852463	
n-Propylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	
Styrene	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00127	1	03/03/2016 02:52	WG852463	
Tetrachloroethene	ND		0.00127	1	03/03/2016 02:52	WG852463	
Toluene	ND		0.00636	1	03/03/2016 02:52	WG852463	
1,2,3-Trichlorobenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,2,4-Trichlorobenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,1,1-Trichloroethane	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,1,2-Trichloroethane	ND		0.00127	1	03/03/2016 02:52	WG852463	
Trichloroethene	ND		0.00127	1	03/03/2016 02:52	WG852463	
Trichlorofluoromethane	ND		0.00636	1	03/03/2016 02:52	WG852463	
1,2,3-Trichloropropane	ND		0.00318	1	03/03/2016 02:52	WG852463	
1,2,4-Trimethylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,2,3-Trimethylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	
Vinyl chloride	ND		0.00127	1	03/03/2016 02:52	WG852463	
1,3,5-Trimethylbenzene	ND		0.00127	1	03/03/2016 02:52	WG852463	
Xylenes, Total	ND		0.00381	1	03/03/2016 02:52	WG852463	
(S) Toluene-d8	98.5		88.7-115		03/03/2016 02:52	WG852463	
(S) Dibromofluoromethane	104		76.3-123		03/03/2016 02:52	WG852463	
(S) 4-Bromofluorobenzene	99.3		69.7-129		03/03/2016 02:52	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0288		0.00763	1	03/04/2016 07:04	WG852910
Acenaphthene	0.0101		0.00763	1	03/04/2016 07:04	WG852910
Acenaphthylene	0.0109		0.00763	1	03/04/2016 07:04	WG852910
Benzo(a)anthracene	0.157		0.00763	1	03/04/2016 07:04	WG852910
Benzo(a)pyrene	0.154		0.00763	1	03/04/2016 07:04	WG852910
Benzo(b)fluoranthene	0.179		0.00763	1	03/04/2016 07:04	WG852910
Benzo(g,h,i)perylene	0.0685		0.00763	1	03/04/2016 07:04	WG852910
Benzo(k)fluoranthene	0.0523		0.00763	1	03/04/2016 07:04	WG852910
Chrysene	0.143		0.00763	1	03/04/2016 07:04	WG852910
Dibenz(a,h)anthracene	0.0290		0.00763	1	03/04/2016 07:04	WG852910
Fluoranthene	0.202		0.00763	1	03/04/2016 07:04	WG852910
Fluorene	0.0102		0.00763	1	03/04/2016 07:04	WG852910
Indeno(1,2,3-cd)pyrene	0.0698		0.00763	1	03/04/2016 07:04	WG852910
Naphthalene	ND		0.0254	1	03/04/2016 07:04	WG852910
Phenanthrene	0.0944		0.00763	1	03/04/2016 07:04	WG852910
Pyrene	0.222		0.00763	1	03/04/2016 07:04	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0254	1	03/04/2016 07:04	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0254	1	03/04/2016 07:04	WG852910	² Tc
2-Chloronaphthalene	ND		0.0254	1	03/04/2016 07:04	WG852910	³ Ss
(S) Nitrobenzene-d5	79.5		22.1-146		03/04/2016 07:04	WG852910	
(S) 2-Fluorobiphenyl	76.6		40.6-122		03/04/2016 07:04	WG852910	
(S) p-Terphenyl-d14	64.6		32.2-131		03/04/2016 07:04	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	82.3		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.0671		0.0243	1	03/03/2016 11:23	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	ND		2.43	1	03/03/2016 13:29	WG852854
Barium	64.7		0.607	1	03/03/2016 13:29	WG852854
Cadmium	ND		0.607	1	03/03/2016 13:29	WG852854
Chromium	8.83		1.21	1	03/03/2016 13:29	WG852854
Lead	54.0		0.607	1	03/03/2016 13:29	WG852854
Selenium	ND		2.43	1	03/03/2016 13:29	WG852854
Silver	ND		1.21	1	03/04/2016 13:32	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0607	1	03/03/2016 03:09	WG852463
Acrylonitrile	ND		0.0121	1	03/03/2016 03:09	WG852463
Benzene	ND		0.00121	1	03/03/2016 03:09	WG852463
Bromobenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
Bromodichloromethane	ND		0.00121	1	03/03/2016 03:09	WG852463
Bromoform	ND	J4	0.00121	1	03/03/2016 03:09	WG852463
Bromomethane	ND		0.00607	1	03/03/2016 03:09	WG852463
n-Butylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
sec-Butylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
tert-Butylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
Carbon tetrachloride	ND		0.00121	1	03/03/2016 03:09	WG852463
Chlorobenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
Chlorodibromomethane	ND	J4	0.00121	1	03/03/2016 03:09	WG852463
Chloroethane	ND		0.00607	1	03/03/2016 03:09	WG852463
2-Chloroethyl vinyl ether	ND		0.0607	1	03/03/2016 03:09	WG852463
Chloroform	ND		0.00607	1	03/03/2016 03:09	WG852463
Chloromethane	ND		0.00304	1	03/03/2016 03:09	WG852463
2-Chlorotoluene	ND		0.00121	1	03/03/2016 03:09	WG852463
4-Chlorotoluene	ND		0.00121	1	03/03/2016 03:09	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00607	1	03/03/2016 03:09	WG852463
1,2-Dibromoethane	ND	J4	0.00121	1	03/03/2016 03:09	WG852463
Dibromomethane	ND		0.00121	1	03/03/2016 03:09	WG852463
1,2-Dichlorobenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
1,3-Dichlorobenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
1,4-Dichlorobenzene	ND		0.00121	1	03/03/2016 03:09	WG852463
Dichlorodifluoromethane	ND		0.00607	1	03/03/2016 03:09	WG852463
1,1-Dichloroethane	ND		0.00121	1	03/03/2016 03:09	WG852463
1,2-Dichloroethane	ND		0.00121	1	03/03/2016 03:09	WG852463
1,1-Dichloroethene	ND		0.00121	1	03/03/2016 03:09	WG852463
cis-1,2-Dichloroethene	ND		0.00121	1	03/03/2016 03:09	WG852463
trans-1,2-Dichloroethene	ND		0.00121	1	03/03/2016 03:09	WG852463
1,2-Dichloropropane	ND		0.00121	1	03/03/2016 03:09	WG852463
1,1-Dichloropropene	ND		0.00121	1	03/03/2016 03:09	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00121	1	03/03/2016 03:09	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 03:09	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 03:09	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00121	1	03/03/2016 03:09	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00121	1	03/03/2016 03:09	WG852463	⁵ Sr
Ethylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00121	1	03/03/2016 03:09	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00121	1	03/03/2016 03:09	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0121	1	03/03/2016 03:09	WG852463	
Methylene Chloride	ND		0.00607	1	03/03/2016 03:09	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0121	1	03/03/2016 03:09	WG852463	
Methyl tert-butyl ether	ND		0.00121	1	03/03/2016 03:09	WG852463	
Naphthalene	ND		0.00607	1	03/03/2016 03:09	WG852463	
n-Propylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	
Styrene	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00121	1	03/03/2016 03:09	WG852463	
Tetrachloroethene	0.00242		0.00121	1	03/03/2016 03:09	WG852463	
Toluene	ND		0.00607	1	03/03/2016 03:09	WG852463	
1,2,3-Trichlorobenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,2,4-Trichlorobenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,1,1-Trichloroethane	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,1,2-Trichloroethane	ND		0.00121	1	03/03/2016 03:09	WG852463	
Trichloroethene	ND		0.00121	1	03/03/2016 03:09	WG852463	
Trichlorofluoromethane	ND		0.00607	1	03/03/2016 03:09	WG852463	
1,2,3-Trichloropropane	ND		0.00304	1	03/03/2016 03:09	WG852463	
1,2,4-Trimethylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,2,3-Trimethylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	
Vinyl chloride	ND		0.00121	1	03/03/2016 03:09	WG852463	
1,3,5-Trimethylbenzene	ND		0.00121	1	03/03/2016 03:09	WG852463	
Xylenes, Total	ND		0.00364	1	03/03/2016 03:09	WG852463	
(S) Toluene-d8	98.1		88.7-115		03/03/2016 03:09	WG852463	
(S) Dibromofluoromethane	103		76.3-123		03/03/2016 03:09	WG852463	
(S) 4-Bromofluorobenzene	95.0		69.7-129		03/03/2016 03:09	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.00729	1	03/04/2016 07:26	WG852910
Acenaphthene	ND		0.00729	1	03/04/2016 07:26	WG852910
Acenaphthylene	ND		0.00729	1	03/04/2016 07:26	WG852910
Benzo(a)anthracene	ND		0.00729	1	03/04/2016 07:26	WG852910
Benzo(a)pyrene	ND		0.00729	1	03/04/2016 07:26	WG852910
Benzo(b)fluoranthene	ND		0.00729	1	03/04/2016 07:26	WG852910
Benzo(g,h,i)perylene	ND		0.00729	1	03/04/2016 07:26	WG852910
Benzo(k)fluoranthene	ND		0.00729	1	03/04/2016 07:26	WG852910
Chrysene	ND		0.00729	1	03/04/2016 07:26	WG852910
Dibenz(a,h)anthracene	ND		0.00729	1	03/04/2016 07:26	WG852910
Fluoranthene	ND		0.00729	1	03/04/2016 07:26	WG852910
Fluorene	ND		0.00729	1	03/04/2016 07:26	WG852910
Indeno(1,2,3-cd)pyrene	ND		0.00729	1	03/04/2016 07:26	WG852910
Naphthalene	ND		0.0243	1	03/04/2016 07:26	WG852910
Phenanthrene	ND		0.00729	1	03/04/2016 07:26	WG852910
Pyrene	ND		0.00729	1	03/04/2016 07:26	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0243	1	03/04/2016 07:26	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0243	1	03/04/2016 07:26	WG852910	² Tc
2-Chloronaphthalene	ND		0.0243	1	03/04/2016 07:26	WG852910	³ Ss
(S) Nitrobenzene-d5	80.5		22.1-146		03/04/2016 07:26	WG852910	
(S) 2-Fluorobiphenyl	81.9		40.6-122		03/04/2016 07:26	WG852910	
(S) p-Terphenyl-d14	69.3		32.2-131		03/04/2016 07:26	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	80.5		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.110		0.0248	1	03/03/2016 11:26	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	4.44		2.48	1	03/03/2016 13:32	WG852854
Barium	63.7		0.621	1	03/03/2016 13:32	WG852854
Cadmium	ND		0.621	1	03/03/2016 13:32	WG852854
Chromium	23.4		1.24	1	03/03/2016 13:32	WG852854
Lead	46.0		0.621	1	03/03/2016 13:32	WG852854
Selenium	ND		2.48	1	03/03/2016 13:32	WG852854
Silver	ND		1.24	1	03/04/2016 13:34	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0671	1.08	03/03/2016 03:26	WG852463
Acrylonitrile	ND		0.0134	1.08	03/03/2016 03:26	WG852463
Benzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
Bromobenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
Bromodichloromethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463
Bromoform	ND	J4	0.00134	1.08	03/03/2016 03:26	WG852463
Bromomethane	ND		0.00671	1.08	03/03/2016 03:26	WG852463
n-Butylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
sec-Butylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
tert-Butylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
Carbon tetrachloride	ND		0.00134	1.08	03/03/2016 03:26	WG852463
Chlorobenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
Chlorodibromomethane	ND	J4	0.00134	1.08	03/03/2016 03:26	WG852463
Chloroethane	ND		0.00671	1.08	03/03/2016 03:26	WG852463
2-Chloroethyl vinyl ether	ND		0.0671	1.08	03/03/2016 03:26	WG852463
Chloroform	ND		0.00671	1.08	03/03/2016 03:26	WG852463
Chloromethane	ND		0.00335	1.08	03/03/2016 03:26	WG852463
2-Chlorotoluene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
4-Chlorotoluene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00671	1.08	03/03/2016 03:26	WG852463
1,2-Dibromoethane	ND	J4	0.00134	1.08	03/03/2016 03:26	WG852463
Dibromomethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,2-Dichlorobenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,3-Dichlorobenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,4-Dichlorobenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
Dichlorodifluoromethane	ND		0.00671	1.08	03/03/2016 03:26	WG852463
1,1-Dichloroethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,2-Dichloroethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,1-Dichloroethene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
cis-1,2-Dichloroethene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
trans-1,2-Dichloroethene	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,2-Dichloropropane	ND		0.00134	1.08	03/03/2016 03:26	WG852463
1,1-Dichloropropene	ND		0.00134	1.08	03/03/2016 03:26	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00134	1.08	03/03/2016 03:26	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00134	1.08	03/03/2016 03:26	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00134	1.08	03/03/2016 03:26	WG852463	⁵ Sr
Ethylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0134	1.08	03/03/2016 03:26	WG852463	
Methylene Chloride	ND		0.00671	1.08	03/03/2016 03:26	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0134	1.08	03/03/2016 03:26	WG852463	
Methyl tert-butyl ether	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Naphthalene	ND		0.00671	1.08	03/03/2016 03:26	WG852463	
n-Propylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Styrene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Tetrachloroethene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Toluene	ND		0.00671	1.08	03/03/2016 03:26	WG852463	
1,2,3-Trichlorobenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,2,4-Trichlorobenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,1,1-Trichloroethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,1,2-Trichloroethane	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Trichloroethene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Trichlorofluoromethane	ND		0.00671	1.08	03/03/2016 03:26	WG852463	
1,2,3-Trichloropropane	ND		0.00335	1.08	03/03/2016 03:26	WG852463	
1,2,4-Trimethylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,2,3-Trimethylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Vinyl chloride	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
1,3,5-Trimethylbenzene	ND		0.00134	1.08	03/03/2016 03:26	WG852463	
Xylenes, Total	ND		0.00402	1.08	03/03/2016 03:26	WG852463	
(S) Toluene-d8	98.9		88.7-115		03/03/2016 03:26	WG852463	
(S) Dibromofluoromethane	99.5		76.3-123		03/03/2016 03:26	WG852463	
(S) 4-Bromofluorobenzene	97.0		69.7-129		03/03/2016 03:26	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0538		0.0373	5	03/04/2016 12:58	WG852910
Acenaphthene	ND		0.0373	5	03/04/2016 12:58	WG852910
Acenaphthylene	ND		0.0373	5	03/04/2016 12:58	WG852910
Benzo(a)anthracene	0.0864		0.0373	5	03/04/2016 12:58	WG852910
Benzo(a)pyrene	0.0786		0.0373	5	03/04/2016 12:58	WG852910
Benzo(b)fluoranthene	0.0874		0.0373	5	03/04/2016 12:58	WG852910
Benzo(g,h,i)perylene	0.0454		0.0373	5	03/04/2016 12:58	WG852910
Benzo(k)fluoranthene	ND		0.0373	5	03/04/2016 12:58	WG852910
Chrysene	0.0819		0.0373	5	03/04/2016 12:58	WG852910
Dibenz(a,h)anthracene	ND		0.0373	5	03/04/2016 12:58	WG852910
Fluoranthene	0.198		0.0373	5	03/04/2016 12:58	WG852910
Fluorene	ND		0.0373	5	03/04/2016 12:58	WG852910
Indeno(1,2,3-cd)pyrene	ND		0.0373	5	03/04/2016 12:58	WG852910
Naphthalene	ND		0.124	5	03/04/2016 12:58	WG852910
Phenanthrene	0.136		0.0373	5	03/04/2016 12:58	WG852910
Pyrene	0.205		0.0373	5	03/04/2016 12:58	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.124	5	03/04/2016 12:58	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.124	5	03/04/2016 12:58	WG852910	² Tc
2-Chloronaphthalene	ND		0.124	5	03/04/2016 12:58	WG852910	³ Ss
(S) Nitrobenzene-d5	75.9		22.1-146		03/04/2016 12:58	WG852910	
(S) 2-Fluorobiphenyl	74.2		40.6-122		03/04/2016 12:58	WG852910	
(S) p-Terphenyl-d14	53.2		32.2-131		03/04/2016 12:58	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	88.3		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.530		0.0226	1	03/03/2016 11:28	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	4.71		2.26	1	03/03/2016 13:35	WG852854
Barium	62.8		0.566	1	03/03/2016 13:35	WG852854
Cadmium	ND		0.566	1	03/03/2016 13:35	WG852854
Chromium	18.2		1.13	1	03/03/2016 13:35	WG852854
Lead	583		0.566	1	03/03/2016 13:35	WG852854
Selenium	ND		2.26	1	03/03/2016 13:35	WG852854
Silver	ND		1.13	1	03/04/2016 13:37	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0606	1.07	03/03/2016 03:43	WG852463
Acrylonitrile	ND		0.0121	1.07	03/03/2016 03:43	WG852463
Benzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
Bromobenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
Bromodichloromethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463
Bromoform	ND	J4	0.00121	1.07	03/03/2016 03:43	WG852463
Bromomethane	ND		0.00606	1.07	03/03/2016 03:43	WG852463
n-Butylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
sec-Butylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
tert-Butylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
Carbon tetrachloride	ND		0.00121	1.07	03/03/2016 03:43	WG852463
Chlorobenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
Chlorodibromomethane	ND	J4	0.00121	1.07	03/03/2016 03:43	WG852463
Chloroethane	ND		0.00606	1.07	03/03/2016 03:43	WG852463
2-Chloroethyl vinyl ether	ND		0.0606	1.07	03/03/2016 03:43	WG852463
Chloroform	ND		0.00606	1.07	03/03/2016 03:43	WG852463
Chloromethane	ND		0.00303	1.07	03/03/2016 03:43	WG852463
2-Chlorotoluene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
4-Chlorotoluene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00606	1.07	03/03/2016 03:43	WG852463
1,2-Dibromoethane	ND	J4	0.00121	1.07	03/03/2016 03:43	WG852463
Dibromomethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,2-Dichlorobenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,3-Dichlorobenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,4-Dichlorobenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
Dichlorodifluoromethane	ND		0.00606	1.07	03/03/2016 03:43	WG852463
1,1-Dichloroethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,2-Dichloroethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,1-Dichloroethene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
cis-1,2-Dichloroethene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
trans-1,2-Dichloroethene	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,2-Dichloropropane	ND		0.00121	1.07	03/03/2016 03:43	WG852463
1,1-Dichloropropene	ND		0.00121	1.07	03/03/2016 03:43	WG852463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00121	1.07	03/03/2016 03:43	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00121	1.07	03/03/2016 03:43	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00121	1.07	03/03/2016 03:43	WG852463	⁵ Sr
Ethylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0121	1.07	03/03/2016 03:43	WG852463	
Methylene Chloride	ND		0.00606	1.07	03/03/2016 03:43	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0121	1.07	03/03/2016 03:43	WG852463	
Methyl tert-butyl ether	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Naphthalene	ND		0.00606	1.07	03/03/2016 03:43	WG852463	
n-Propylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Styrene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Tetrachloroethene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Toluene	ND		0.00606	1.07	03/03/2016 03:43	WG852463	
1,2,3-Trichlorobenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,2,4-Trichlorobenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,1,1-Trichloroethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,1,2-Trichloroethane	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Trichloroethene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Trichlorofluoromethane	ND		0.00606	1.07	03/03/2016 03:43	WG852463	
1,2,3-Trichloropropane	ND		0.00303	1.07	03/03/2016 03:43	WG852463	
1,2,4-Trimethylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,2,3-Trimethylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Vinyl chloride	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
1,3,5-Trimethylbenzene	ND		0.00121	1.07	03/03/2016 03:43	WG852463	
Xylenes, Total	ND		0.00363	1.07	03/03/2016 03:43	WG852463	
(S) Toluene-d8	98.7		88.7-115		03/03/2016 03:43	WG852463	
(S) Dibromofluoromethane	100		76.3-123		03/03/2016 03:43	WG852463	
(S) 4-Bromofluorobenzene	92.7		69.7-129		03/03/2016 03:43	WG852463	

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0205		0.00679	1	03/04/2016 09:15	WG852910
Acenaphthene	0.0133		0.00679	1	03/04/2016 09:15	WG852910
Acenaphthylene	0.0104		0.00679	1	03/04/2016 09:15	WG852910
Benzo(a)anthracene	0.116		0.00679	1	03/04/2016 09:15	WG852910
Benzo(a)pyrene	0.109		0.00679	1	03/04/2016 09:15	WG852910
Benzo(b)fluoranthene	0.129		0.00679	1	03/04/2016 09:15	WG852910
Benzo(g,h,i)perylene	0.0560		0.00679	1	03/04/2016 09:15	WG852910
Benzo(k)fluoranthene	0.0413		0.00679	1	03/04/2016 09:15	WG852910
Chrysene	0.101		0.00679	1	03/04/2016 09:15	WG852910
Dibenz(a,h)anthracene	0.0204		0.00679	1	03/04/2016 09:15	WG852910
Fluoranthene	0.185		0.00679	1	03/04/2016 09:15	WG852910
Fluorene	0.0104		0.00679	1	03/04/2016 09:15	WG852910
Indeno(1,2,3-cd)pyrene	0.0549		0.00679	1	03/04/2016 09:15	WG852910
Naphthalene	0.0417		0.0226	1	03/04/2016 09:15	WG852910
Phenanthrene	0.0717		0.00679	1	03/04/2016 09:15	WG852910
Pyrene	0.198		0.00679	1	03/04/2016 09:15	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0226	1	03/04/2016 09:15	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0226	1	03/04/2016 09:15	WG852910	² Tc
2-Chloronaphthalene	ND		0.0226	1	03/04/2016 09:15	WG852910	³ Ss
(S) Nitrobenzene-d5	81.4		22.1-146		03/04/2016 09:15	WG852910	
(S) 2-Fluorobiphenyl	83.3		40.6-122		03/04/2016 09:15	WG852910	
(S) p-Terphenyl-d14	79.3		32.2-131		03/04/2016 09:15	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	82.9		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.449		0.0241	1	03/03/2016 11:31	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	2.65		2.41	1	03/03/2016 13:38	WG852854
Barium	48.8		0.603	1	03/03/2016 13:38	WG852854
Cadmium	ND		0.603	1	03/03/2016 13:38	WG852854
Chromium	17.2		1.21	1	03/03/2016 13:38	WG852854
Lead	47.8		0.603	1	03/03/2016 13:38	WG852854
Selenium	ND		2.41	1	03/03/2016 13:38	WG852854
Silver	ND		1.21	1	03/04/2016 13:40	WG853901

⁶ Qc⁷ GI⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0603	1	03/03/2016 04:01	WG852463
Acrylonitrile	ND		0.0121	1	03/03/2016 04:01	WG852463
Benzene	ND		0.00121	1	03/03/2016 04:01	WG852463
Bromobenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
Bromodichloromethane	ND		0.00121	1	03/03/2016 04:01	WG852463
Bromoform	ND	J4	0.00121	1	03/03/2016 04:01	WG852463
Bromomethane	ND		0.00603	1	03/03/2016 04:01	WG852463
n-Butylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
sec-Butylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
tert-Butylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
Carbon tetrachloride	ND		0.00121	1	03/03/2016 04:01	WG852463
Chlorobenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
Chlorodibromomethane	ND	J4	0.00121	1	03/03/2016 04:01	WG852463
Chloroethane	ND		0.00603	1	03/03/2016 04:01	WG852463
2-Chloroethyl vinyl ether	ND		0.0603	1	03/03/2016 04:01	WG852463
Chloroform	ND		0.00603	1	03/03/2016 04:01	WG852463
Chloromethane	ND		0.00301	1	03/03/2016 04:01	WG852463
2-Chlorotoluene	ND		0.00121	1	03/03/2016 04:01	WG852463
4-Chlorotoluene	ND		0.00121	1	03/03/2016 04:01	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00603	1	03/03/2016 04:01	WG852463
1,2-Dibromoethane	ND	J4	0.00121	1	03/03/2016 04:01	WG852463
Dibromomethane	ND		0.00121	1	03/03/2016 04:01	WG852463
1,2-Dichlorobenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
1,3-Dichlorobenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
1,4-Dichlorobenzene	ND		0.00121	1	03/03/2016 04:01	WG852463
Dichlorodifluoromethane	ND		0.00603	1	03/03/2016 04:01	WG852463
1,1-Dichloroethane	ND		0.00121	1	03/03/2016 04:01	WG852463
1,2-Dichloroethane	ND		0.00121	1	03/03/2016 04:01	WG852463
1,1-Dichloroethene	ND		0.00121	1	03/03/2016 04:01	WG852463
cis-1,2-Dichloroethene	ND		0.00121	1	03/03/2016 04:01	WG852463
trans-1,2-Dichloroethene	ND		0.00121	1	03/03/2016 04:01	WG852463
1,2-Dichloropropane	ND		0.00121	1	03/03/2016 04:01	WG852463
1,1-Dichloropropene	ND		0.00121	1	03/03/2016 04:01	WG852463



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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00121	1	03/03/2016 04:01	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 04:01	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00121	1	03/03/2016 04:01	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00121	1	03/03/2016 04:01	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00121	1	03/03/2016 04:01	WG852463	⁵ Sr
Ethylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00121	1	03/03/2016 04:01	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00121	1	03/03/2016 04:01	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0121	1	03/03/2016 04:01	WG852463	
Methylene Chloride	ND		0.00603	1	03/03/2016 04:01	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0121	1	03/03/2016 04:01	WG852463	
Methyl tert-butyl ether	ND		0.00121	1	03/03/2016 04:01	WG852463	
Naphthalene	ND		0.00603	1	03/03/2016 04:01	WG852463	
n-Propylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	
Styrene	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00121	1	03/03/2016 04:01	WG852463	
Tetrachloroethene	ND		0.00121	1	03/03/2016 04:01	WG852463	
Toluene	ND		0.00603	1	03/03/2016 04:01	WG852463	
1,2,3-Trichlorobenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,2,4-Trichlorobenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,1,1-Trichloroethane	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,1,2-Trichloroethane	ND		0.00121	1	03/03/2016 04:01	WG852463	
Trichloroethene	ND		0.00121	1	03/03/2016 04:01	WG852463	
Trichlorofluoromethane	ND		0.00603	1	03/03/2016 04:01	WG852463	
1,2,3-Trichloropropane	ND		0.00301	1	03/03/2016 04:01	WG852463	
1,2,4-Trimethylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,2,3-Trimethylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	
Vinyl chloride	ND		0.00121	1	03/03/2016 04:01	WG852463	
1,3,5-Trimethylbenzene	ND		0.00121	1	03/03/2016 04:01	WG852463	
Xylenes, Total	ND		0.00362	1	03/03/2016 04:01	WG852463	
(S) Toluene-d8	99.6		88.7-115		03/03/2016 04:01	WG852463	
(S) Dibromofluoromethane	100		76.3-123		03/03/2016 04:01	WG852463	
(S) 4-Bromofluorobenzene	100		69.7-129		03/03/2016 04:01	WG852463	

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	3.02		0.0362	5	03/04/2016 12:15	WG852910
Acenaphthene	0.221		0.0362	5	03/04/2016 12:15	WG852910
Acenaphthylene	0.197		0.0362	5	03/04/2016 12:15	WG852910
Benz(a)anthracene	3.58		0.0362	5	03/04/2016 12:15	WG852910
Benz(a)pyrene	2.30		0.0362	5	03/04/2016 12:15	WG852910
Benz(b)fluoranthene	2.74		0.0362	5	03/04/2016 12:15	WG852910
Benz(g,h,i)perylene	1.05		0.0362	5	03/04/2016 12:15	WG852910
Benz(k)fluoranthene	0.995		0.0362	5	03/04/2016 12:15	WG852910
Chrysene	2.48		0.0362	5	03/04/2016 12:15	WG852910
Dibenz(a,h)anthracene	0.396		0.0362	5	03/04/2016 12:15	WG852910
Fluoranthene	8.55		0.0362	5	03/04/2016 12:15	WG852910
Fluorene	1.95		0.0362	5	03/04/2016 12:15	WG852910
Indeno(1,2,3-cd)pyrene	0.987		0.0362	5	03/04/2016 12:15	WG852910
Naphthalene	ND		0.121	5	03/04/2016 12:15	WG852910
Phenanthrene	15.0		0.0362	5	03/04/2016 12:15	WG852910
Pyrene	7.74		0.0362	5	03/04/2016 12:15	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.121	5	03/04/2016 12:15	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.121	5	03/04/2016 12:15	WG852910	² Tc
2-Chloronaphthalene	ND		0.121	5	03/04/2016 12:15	WG852910	³ Ss
(S) Nitrobenzene-d5	80.6		22.1-146		03/04/2016 12:15	WG852910	
(S) 2-Fluorobiphenyl	84.3		40.6-122		03/04/2016 12:15	WG852910	
(S) p-Terphenyl-d14	77.1		32.2-131		03/04/2016 12:15	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	87.0		1	02/27/2016 12:31	WG852522

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.252		0.0230	1	03/04/2016 16:29	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	4.28		2.30	1	03/03/2016 13:41	WG852854
Barium	75.5		0.575	1	03/03/2016 13:41	WG852854
Cadmium	ND		0.575	1	03/03/2016 13:41	WG852854
Chromium	19.8		1.15	1	03/03/2016 13:41	WG852854
Lead	247		0.575	1	03/03/2016 13:41	WG852854
Selenium	ND		2.30	1	03/03/2016 13:41	WG852854
Silver	ND		1.15	1	03/04/2016 13:43	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		0.0575	1	03/03/2016 04:18	WG852463
Acrylonitrile	ND		0.0115	1	03/03/2016 04:18	WG852463
Benzene	ND		0.00115	1	03/03/2016 04:18	WG852463
Bromobenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
Bromodichloromethane	ND		0.00115	1	03/03/2016 04:18	WG852463
Bromoform	ND	J4	0.00115	1	03/03/2016 04:18	WG852463
Bromomethane	ND		0.00575	1	03/03/2016 04:18	WG852463
n-Butylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
sec-Butylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
tert-Butylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
Carbon tetrachloride	ND		0.00115	1	03/03/2016 04:18	WG852463
Chlorobenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
Chlorodibromomethane	ND	J4	0.00115	1	03/03/2016 04:18	WG852463
Chloroethane	ND		0.00575	1	03/03/2016 04:18	WG852463
2-Chloroethyl vinyl ether	ND		0.0575	1	03/03/2016 04:18	WG852463
Chloroform	ND		0.00575	1	03/03/2016 04:18	WG852463
Chloromethane	ND		0.00287	1	03/03/2016 04:18	WG852463
2-Chlorotoluene	ND		0.00115	1	03/03/2016 04:18	WG852463
4-Chlorotoluene	ND		0.00115	1	03/03/2016 04:18	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00575	1	03/03/2016 04:18	WG852463
1,2-Dibromoethane	ND	J4	0.00115	1	03/03/2016 04:18	WG852463
Dibromomethane	ND		0.00115	1	03/03/2016 04:18	WG852463
1,2-Dichlorobenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
1,3-Dichlorobenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
1,4-Dichlorobenzene	ND		0.00115	1	03/03/2016 04:18	WG852463
Dichlorodifluoromethane	ND		0.00575	1	03/03/2016 04:18	WG852463
1,1-Dichloroethane	ND		0.00115	1	03/03/2016 04:18	WG852463
1,2-Dichloroethane	ND		0.00115	1	03/03/2016 04:18	WG852463
1,1-Dichloroethene	ND		0.00115	1	03/03/2016 04:18	WG852463
cis-1,2-Dichloroethene	22.1		2.25	1960	03/08/2016 07:48	WG854266
trans-1,2-Dichloroethene	0.00124		0.00115	1	03/03/2016 04:18	WG852463
1,2-Dichloropropane	ND		0.00115	1	03/03/2016 04:18	WG852463
1,1-Dichloropropene	ND		0.00115	1	03/03/2016 04:18	WG852463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00115	1	03/03/2016 04:18	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00115	1	03/03/2016 04:18	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00115	1	03/03/2016 04:18	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00115	1	03/03/2016 04:18	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00115	1	03/03/2016 04:18	WG852463	⁵ Sr
Ethylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00115	1	03/03/2016 04:18	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00115	1	03/03/2016 04:18	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0115	1	03/03/2016 04:18	WG852463	
Methylene Chloride	ND		0.00575	1	03/03/2016 04:18	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0115	1	03/03/2016 04:18	WG852463	
Methyl tert-butyl ether	ND		0.00115	1	03/03/2016 04:18	WG852463	
Naphthalene	ND		0.00575	1	03/03/2016 04:18	WG852463	
n-Propylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	
Styrene	ND		0.00115	1	03/03/2016 04:18	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00115	1	03/03/2016 04:18	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00115	1	03/03/2016 04:18	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00115	1	03/03/2016 04:18	WG852463	
Tetrachloroethene	127		2.25	1960	03/08/2016 07:48	WG854266	
Toluene	ND		0.00575	1	03/03/2016 04:18	WG852463	
1,2,3-Trichlorobenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	
1,2,4-Trichlorobenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	
1,1,1-Trichloroethane	ND		0.00115	1	03/03/2016 04:18	WG852463	
1,1,2-Trichloroethane	ND		0.00115	1	03/03/2016 04:18	WG852463	
Trichloroethene	0.0507		0.00115	1	03/03/2016 04:18	WG852463	
Trichlorofluoromethane	ND		0.00575	1	03/03/2016 04:18	WG852463	
1,2,3-Trichloropropane	ND		0.00287	1	03/03/2016 04:18	WG852463	
1,2,4-Trimethylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	
1,2,3-Trimethylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	
Vinyl chloride	0.00487		0.00115	1	03/03/2016 04:18	WG852463	
1,3,5-Trimethylbenzene	ND		0.00115	1	03/03/2016 04:18	WG852463	
Xylenes, Total	ND		0.00345	1	03/03/2016 04:18	WG852463	
(S) Toluene-d8	98.5		88.7-115		03/03/2016 04:18	WG852463	
(S) Dibromofluoromethane	101		76.3-123		03/03/2016 04:18	WG852463	
(S) 4-Bromofluorobenzene	95.1		69.7-129		03/03/2016 04:18	WG852463	

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	ND		0.138	20	03/05/2016 07:43	WG852910
Acenaphthene	ND		0.138	20	03/05/2016 07:43	WG852910
Acenaphthylene	ND		0.138	20	03/05/2016 07:43	WG852910
Benzo(a)anthracene	0.139		0.138	20	03/05/2016 07:43	WG852910
Benzo(a)pyrene	ND		0.138	20	03/05/2016 07:43	WG852910
Benzo(b)fluoranthene	ND		0.138	20	03/05/2016 07:43	WG852910
Benzo(g,h,i)perylene	ND		0.138	20	03/05/2016 07:43	WG852910
Benzo(k)fluoranthene	ND		0.138	20	03/05/2016 07:43	WG852910
Chrysene	ND		0.138	20	03/05/2016 07:43	WG852910
Dibenz(a,h)anthracene	ND		0.138	20	03/05/2016 07:43	WG852910
Fluoranthene	0.221		0.138	20	03/05/2016 07:43	WG852910
Fluorene	ND		0.138	20	03/05/2016 07:43	WG852910
Indeno(1,2,3-cd)pyrene	ND		0.138	20	03/05/2016 07:43	WG852910
Naphthalene	ND		0.460	20	03/05/2016 07:43	WG852910
Phenanthrene	ND		0.138	20	03/05/2016 07:43	WG852910
Pyrene	0.225		0.138	20	03/05/2016 07:43	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1-Methylnaphthalene	ND		0.460	20	03/05/2016 07:43	WG852910
2-Methylnaphthalene	ND		0.460	20	03/05/2016 07:43	WG852910
2-Chloronaphthalene	ND		0.460	20	03/05/2016 07:43	WG852910
(S) Nitrobenzene-d5	60.4	J7	22.1-146		03/05/2016 07:43	WG852910
(S) 2-Fluorobiphenyl	72.9	J7	40.6-122		03/05/2016 07:43	WG852910
(S) p-Terphenyl-d14	61.3	J7	32.2-131		03/05/2016 07:43	WG852910

Sample Narrative:

8270D-SIM L820216-18 WG852910: Dilution due to matrix

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	84.2		1	02/27/2016 12:31	WG852522

¹ Cp

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	2.59		0.119	5	03/03/2016 15:10	WG852487

² Tc

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	10.5		2.38	1	03/03/2016 13:44	WG852854
Barium	983		0.594	1	03/03/2016 13:44	WG852854
Cadmium	1.94		0.594	1	03/03/2016 13:44	WG852854
Chromium	37.8		1.19	1	03/03/2016 13:44	WG852854
Lead	984		0.594	1	03/03/2016 13:44	WG852854
Selenium	ND		2.38	1	03/03/2016 13:44	WG852854
Silver	ND		1.19	1	03/04/2016 13:46	WG853901

³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	ND		1.43	24	03/04/2016 04:32	WG853849
Acrylonitrile	ND		0.285	24	03/04/2016 04:32	WG853849
Benzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Bromobenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Bromodichloromethane	ND		0.0285	24	03/04/2016 04:32	WG853849
Bromoform	ND		0.0285	24	03/04/2016 04:32	WG853849
Bromomethane	ND		0.143	24	03/04/2016 04:32	WG853849
n-Butylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
sec-Butylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
tert-Butylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Carbon tetrachloride	ND		0.0285	24	03/04/2016 04:32	WG853849
Chlorobenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Chlorodibromomethane	ND		0.0285	24	03/04/2016 04:32	WG853849
Chloroethane	ND		0.143	24	03/04/2016 04:32	WG853849
2-Chloroethyl vinyl ether	ND		1.43	24	03/04/2016 04:32	WG853849
Chloroform	0.327		0.143	24	03/04/2016 04:32	WG853849
Chloromethane	ND		0.0713	24	03/04/2016 04:32	WG853849
2-Chlorotoluene	ND		0.0285	24	03/04/2016 04:32	WG853849
4-Chlorotoluene	ND		0.0285	24	03/04/2016 04:32	WG853849
1,2-Dibromo-3-Chloropropane	ND		0.143	24	03/04/2016 04:32	WG853849
1,2-Dibromoethane	ND		0.0285	24	03/04/2016 04:32	WG853849
Dibromomethane	ND		0.0285	24	03/04/2016 04:32	WG853849
1,2-Dichlorobenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
1,3-Dichlorobenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
1,4-Dichlorobenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Dichlorodifluoromethane	ND		0.143	24	03/04/2016 04:32	WG853849
1,1-Dichloroethane	ND		0.0285	24	03/04/2016 04:32	WG853849
1,2-Dichloroethane	ND		0.0285	24	03/04/2016 04:32	WG853849
1,1-Dichloroethene	ND		0.0285	24	03/04/2016 04:32	WG853849
cis-1,2-Dichloroethene	15.0		2.28	1920	03/05/2016 03:13	WG853984
trans-1,2-Dichloroethene	0.0531		0.0285	24	03/04/2016 04:32	WG853849
1,2-Dichloropropane	ND		0.0285	24	03/04/2016 04:32	WG853849
1,1-Dichloropropene	ND		0.0285	24	03/04/2016 04:32	WG853849



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,3-Dichloropropane	ND		0.0285	24	03/04/2016 04:32	WG853849
cis-1,3-Dichloropropene	ND		0.0285	24	03/04/2016 04:32	WG853849
trans-1,3-Dichloropropene	ND		0.0285	24	03/04/2016 04:32	WG853849
2,2-Dichloropropane	ND		0.0285	24	03/04/2016 04:32	WG853849
Di-isopropyl ether	ND		0.0285	24	03/04/2016 04:32	WG853849
Ethylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Hexachloro-1,3-butadiene	ND		0.0285	24	03/04/2016 04:32	WG853849
Isopropylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
p-Isopropyltoluene	ND		0.0285	24	03/04/2016 04:32	WG853849
2-Butanone (MEK)	ND		0.285	24	03/04/2016 04:32	WG853849
Methylene Chloride	ND	J4	0.143	24	03/04/2016 04:32	WG853849
4-Methyl-2-pentanone (MIBK)	ND		0.285	24	03/04/2016 04:32	WG853849
Methyl tert-butyl ether	ND		0.0285	24	03/04/2016 04:32	WG853849
Naphthalene	ND		0.143	24	03/04/2016 04:32	WG853849
n-Propylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Styrene	ND		0.0285	24	03/04/2016 04:32	WG853849
1,1,1,2-Tetrachloroethane	ND		0.0285	24	03/04/2016 04:32	WG853849
1,1,2,2-Tetrachloroethane	ND		0.0285	24	03/04/2016 04:32	WG853849
1,1,2-Trichlorotrifluoroethane	ND		0.0285	24	03/04/2016 04:32	WG853849
Tetrachloroethene	102		2.28	1920	03/05/2016 03:13	WG853984
Toluene	ND		0.143	24	03/04/2016 04:32	WG853849
1,2,3-Trichlorobenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
1,2,4-Trichlorobenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
1,1,1-Trichloroethane	0.189		0.0285	24	03/04/2016 04:32	WG853849
1,1,2-Trichloroethane	ND		0.0285	24	03/04/2016 04:32	WG853849
Trichloroethene	6.25		2.28	1920	03/05/2016 03:13	WG853984
Trichlorofluoromethane	ND		0.143	24	03/04/2016 04:32	WG853849
1,2,3-Trichloropropane	ND		0.0713	24	03/04/2016 04:32	WG853849
1,2,4-Trimethylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
1,2,3-Trimethylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Vinyl chloride	0.0782		0.0285	24	03/04/2016 04:32	WG853849
1,3,5-Trimethylbenzene	ND		0.0285	24	03/04/2016 04:32	WG853849
Xylenes, Total	ND		0.0855	24	03/04/2016 04:32	WG853849
(S) Toluene-d8	93.7		88.7-115		03/04/2016 04:32	WG853849
(S) Dibromofluoromethane	94.8		76.3-123		03/04/2016 04:32	WG853849
(S) 4-Bromofluorobenzene	87.0		69.7-129		03/04/2016 04:32	WG853849

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.110		0.0713	10	03/05/2016 06:38	WG852910
Acenaphthene	ND		0.0713	10	03/05/2016 06:38	WG852910
Acenaphthylene	ND		0.0713	10	03/05/2016 06:38	WG852910
Benzo(a)anthracene	0.244		0.0713	10	03/05/2016 06:38	WG852910
Benzo(a)pyrene	0.253		0.0713	10	03/05/2016 06:38	WG852910
Benzo(b)fluoranthene	0.311		0.0713	10	03/05/2016 06:38	WG852910
Benzo(g,h,i)perylene	0.177		0.0713	10	03/05/2016 06:38	WG852910
Benzo(k)fluoranthene	0.0880		0.0713	10	03/05/2016 06:38	WG852910
Chrysene	0.231		0.0713	10	03/05/2016 06:38	WG852910
Dibenz(a,h)anthracene	ND		0.0713	10	03/05/2016 06:38	WG852910
Fluoranthene	0.562		0.0713	10	03/05/2016 06:38	WG852910
Fluorene	ND		0.0713	10	03/05/2016 06:38	WG852910
Indeno(1,2,3-cd)pyrene	0.141		0.0713	10	03/05/2016 06:38	WG852910
Naphthalene	ND		0.238	10	03/05/2016 06:38	WG852910
Phenanthrene	0.306		0.0713	10	03/05/2016 06:38	WG852910
Pyrene	0.535		0.0713	10	03/05/2016 06:38	WG852910

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 GI

8 Al

9 Sc



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.238	10	03/05/2016 06:38	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.238	10	03/05/2016 06:38	WG852910	² Tc
2-Chloronaphthalene	ND		0.238	10	03/05/2016 06:38	WG852910	³ Ss
(S) Nitrobenzene-d5	76.9		22.1-146		03/05/2016 06:38	WG852910	
(S) 2-Fluorobiphenyl	92.0		40.6-122		03/05/2016 06:38	WG852910	
(S) p-Terphenyl-d14	77.4		32.2-131		03/05/2016 06:38	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	89.2		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.204		0.0224	1	03/03/2016 11:36	WG852487

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	2.71		2.24	1	03/03/2016 13:47	WG852854
Barium	5570		5.60	10	03/04/2016 09:12	WG852854
Cadmium	ND		0.560	1	03/03/2016 13:47	WG852854
Chromium	91.7		1.12	1	03/03/2016 13:47	WG852854
Lead	69.1		0.560	1	03/03/2016 13:47	WG852854
Selenium	2.42		2.24	1	03/03/2016 13:47	WG852854
Silver	ND		1.12	1	03/04/2016 13:49	WG853901

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Acetone	0.0889		0.0616	1.1	03/03/2016 04:52	WG852463
Acrylonitrile	ND		0.0123	1.1	03/03/2016 04:52	WG852463
Benzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
Bromobenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
Bromodichloromethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463
Bromoform	ND	J4	0.00123	1.1	03/03/2016 04:52	WG852463
Bromomethane	ND		0.00616	1.1	03/03/2016 04:52	WG852463
n-Butylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
sec-Butylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
tert-Butylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
Carbon tetrachloride	ND		0.00123	1.1	03/03/2016 04:52	WG852463
Chlorobenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
Chlorodibromomethane	ND	J4	0.00123	1.1	03/03/2016 04:52	WG852463
Chloroethane	ND		0.00616	1.1	03/03/2016 04:52	WG852463
2-Chloroethyl vinyl ether	ND		0.0616	1.1	03/03/2016 04:52	WG852463
Chloroform	ND		0.00616	1.1	03/03/2016 04:52	WG852463
Chloromethane	ND		0.00308	1.1	03/03/2016 04:52	WG852463
2-Chlorotoluene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
4-Chlorotoluene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
1,2-Dibromo-3-Chloropropane	ND		0.00616	1.1	03/03/2016 04:52	WG852463
1,2-Dibromoethane	ND	J4	0.00123	1.1	03/03/2016 04:52	WG852463
Dibromomethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463
1,2-Dichlorobenzene	0.00278		0.00123	1.1	03/03/2016 04:52	WG852463
1,3-Dichlorobenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
1,4-Dichlorobenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
Dichlorodifluoromethane	ND		0.00616	1.1	03/03/2016 04:52	WG852463
1,1-Dichloroethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463
1,2-Dichloroethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463
1,1-Dichloroethene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
cis-1,2-Dichloroethene	0.00901		0.00123	1.1	03/03/2016 04:52	WG852463
trans-1,2-Dichloroethene	ND		0.00123	1.1	03/03/2016 04:52	WG852463
1,2-Dichloropropane	ND		0.00123	1.1	03/03/2016 04:52	WG852463
1,1-Dichloropropene	ND		0.00123	1.1	03/03/2016 04:52	WG852463



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND	J4	0.00123	1.1	03/03/2016 04:52	WG852463	¹ Cp
cis-1,3-Dichloropropene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	² Tc
trans-1,3-Dichloropropene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	³ Ss
2,2-Dichloropropane	ND		0.00123	1.1	03/03/2016 04:52	WG852463	⁴ Cn
Di-isopropyl ether	ND		0.00123	1.1	03/03/2016 04:52	WG852463	⁵ Sr
Ethylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	⁷ Gl
Isopropylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	⁸ Al
p-Isopropyltoluene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	⁹ Sc
2-Butanone (MEK)	ND		0.0123	1.1	03/03/2016 04:52	WG852463	
Methylene Chloride	ND		0.00616	1.1	03/03/2016 04:52	WG852463	
4-Methyl-2-pentanone (MIBK)	ND		0.0123	1.1	03/03/2016 04:52	WG852463	
Methyl tert-butyl ether	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
Naphthalene	ND		0.00616	1.1	03/03/2016 04:52	WG852463	
n-Propylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
Styrene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
1,1,1,2-Tetrachloroethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
1,1,2,2-Tetrachloroethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
1,1,2-Trichlorotrifluoroethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
Tetrachloroethene	0.0194		0.00123	1.1	03/03/2016 04:52	WG852463	
Toluene	ND		0.00616	1.1	03/03/2016 04:52	WG852463	
1,2,3-Trichlorobenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
1,2,4-Trichlorobenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
1,1,1-Trichloroethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
1,1,2-Trichloroethane	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
Trichloroethene	0.00183		0.00123	1.1	03/03/2016 04:52	WG852463	
Trichlorofluoromethane	ND		0.00616	1.1	03/03/2016 04:52	WG852463	
1,2,3-Trichloropropane	ND		0.00308	1.1	03/03/2016 04:52	WG852463	
1,2,4-Trimethylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
1,2,3-Trimethylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
Vinyl chloride	0.00137		0.00123	1.1	03/03/2016 04:52	WG852463	
1,3,5-Trimethylbenzene	ND		0.00123	1.1	03/03/2016 04:52	WG852463	
Xylenes, Total	ND		0.00370	1.1	03/03/2016 04:52	WG852463	
(S) Toluene-d8	99.8		88.7-115		03/03/2016 04:52	WG852463	
(S) Dibromofluoromethane	102		76.3-123		03/03/2016 04:52	WG852463	
(S) 4-Bromofluorobenzene	95.2		69.7-129		03/03/2016 04:52	WG852463	

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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00723		0.00672	1	03/05/2016 03:25	WG852910
Acenaphthene	ND		0.00672	1	03/05/2016 03:25	WG852910
Acenaphthylene	ND		0.00672	1	03/05/2016 03:25	WG852910
Benzo(a)anthracene	0.0148		0.00672	1	03/05/2016 03:25	WG852910
Benzo(a)pyrene	0.0136		0.00672	1	03/05/2016 03:25	WG852910
Benzo(b)fluoranthene	0.0201		0.00672	1	03/05/2016 03:25	WG852910
Benzo(g,h,i)perylene	0.0105		0.00672	1	03/05/2016 03:25	WG852910
Benzo(k)fluoranthene	ND		0.00672	1	03/05/2016 03:25	WG852910
Chrysene	0.0158		0.00672	1	03/05/2016 03:25	WG852910
Dibenz(a,h)anthracene	ND		0.00672	1	03/05/2016 03:25	WG852910
Fluoranthene	0.0335		0.00672	1	03/05/2016 03:25	WG852910
Fluorene	ND		0.00672	1	03/05/2016 03:25	WG852910
Indeno(1,2,3-cd)pyrene	0.00791		0.00672	1	03/05/2016 03:25	WG852910
Naphthalene	ND		0.0224	1	03/05/2016 03:25	WG852910
Phenanthrene	0.0169		0.00672	1	03/05/2016 03:25	WG852910
Pyrene	0.0352		0.00672	1	03/05/2016 03:25	WG852910



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

Analyte	Result (dry) mg/kg	Qualifier	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.0224	1	03/05/2016 03:25	WG852910	¹ Cp
2-Methylnaphthalene	ND		0.0224	1	03/05/2016 03:25	WG852910	² Tc
2-Chloronaphthalene	ND		0.0224	1	03/05/2016 03:25	WG852910	³ Ss
(S) Nitrobenzene-d5	87.4		22.1-146		03/05/2016 03:25	WG852910	
(S) 2-Fluorobiphenyl	79.0		40.6-122		03/05/2016 03:25	WG852910	
(S) p-Terphenyl-d14	69.4		32.2-131		03/05/2016 03:25	WG852910	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	88.4		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	2.08	J3	0.113	5	03/04/2016 12:56	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	10.0		2.26	1	03/04/2016 01:39	WG852855
Barium	189	J3 J5	0.566	1	03/04/2016 01:39	WG852855
Cadmium	0.718		0.566	1	03/04/2016 01:39	WG852855
Chromium	25.2		1.13	1	03/04/2016 01:39	WG852855
Lead	3900	O1 V	0.566	1	03/04/2016 01:39	WG852855
Selenium	ND		2.26	1	03/04/2016 01:39	WG852855
Silver	ND		1.13	1	03/04/2016 01:39	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.350		0.0679	10	03/04/2016 09:45	WG852911
Acenaphthene	0.106		0.0679	10	03/04/2016 09:45	WG852911
Acenaphthylene	ND		0.0679	10	03/04/2016 09:45	WG852911
Benzo(a)anthracene	1.11		0.0679	10	03/04/2016 09:45	WG852911
Benzo(a)pyrene	1.01		0.0679	10	03/04/2016 09:45	WG852911
Benzo(b)fluoranthene	1.34		0.0679	10	03/04/2016 09:45	WG852911
Benzo(g,h,i)perylene	0.640		0.0679	10	03/04/2016 09:45	WG852911
Benzo(k)fluoranthene	0.413		0.0679	10	03/04/2016 09:45	WG852911
Chrysene	1.16		0.0679	10	03/04/2016 09:45	WG852911
Dibenz(a,h)anthracene	0.177		0.0679	10	03/04/2016 09:45	WG852911
Fluoranthene	2.32		0.0679	10	03/04/2016 09:45	WG852911
Fluorene	0.185		0.0679	10	03/04/2016 09:45	WG852911
Indeno(1,2,3-cd)pyrene	0.515		0.0679	10	03/04/2016 09:45	WG852911
Naphthalene	0.290		0.226	10	03/04/2016 09:45	WG852911
Phenanthrene	1.39		0.0679	10	03/04/2016 09:45	WG852911
Pyrene	2.20		0.0679	10	03/04/2016 09:45	WG852911
1-Methylnaphthalene	ND		0.226	10	03/04/2016 09:45	WG852911
2-Methylnaphthalene	ND		0.226	10	03/04/2016 09:45	WG852911
2-Chloronaphthalene	ND		0.226	10	03/04/2016 09:45	WG852911
(S) Nitrobenzene-d5	89.0		22.1-146		03/04/2016 09:45	WG852911
(S) 2-Fluorobiphenyl	86.4		40.6-122		03/04/2016 09:45	WG852911
(S) p-Terphenyl-d14	77.5		32.2-131		03/04/2016 09:45	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	86.6		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.510	J3	0.0231	1	03/04/2016 09:07	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	2.41		2.31	1	03/04/2016 02:00	WG852855
Barium	54.5		0.577	1	03/04/2016 02:00	WG852855
Cadmium	ND		0.577	1	03/04/2016 02:00	WG852855
Chromium	13.6		1.15	1	03/04/2016 02:00	WG852855
Lead	60.8		0.577	1	03/04/2016 02:00	WG852855
Selenium	ND		2.31	1	03/04/2016 02:00	WG852855
Silver	ND		1.15	1	03/04/2016 02:00	WG852855

⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	ND		0.693	100	03/04/2016 11:32	WG852911
Acenaphthene	ND		0.693	100	03/04/2016 11:32	WG852911
Acenaphthylene	ND		0.693	100	03/04/2016 11:32	WG852911
Benz(a)anthracene	ND		0.693	100	03/04/2016 11:32	WG852911
Benzo(a)pyrene	ND		0.693	100	03/04/2016 11:32	WG852911
Benzo(b)fluoranthene	0.944		0.693	100	03/04/2016 11:32	WG852911
Benzo(g,h,i)perylene	ND		0.693	100	03/04/2016 11:32	WG852911
Benzo(k)fluoranthene	ND		0.693	100	03/04/2016 11:32	WG852911
Chrysene	0.734		0.693	100	03/04/2016 11:32	WG852911
Dibenz(a,h)anthracene	ND		0.693	100	03/04/2016 11:32	WG852911
Fluoranthene	1.17		0.693	100	03/04/2016 11:32	WG852911
Fluorene	ND		0.693	100	03/04/2016 11:32	WG852911
Indeno(1,2,3-cd)pyrene	ND		0.693	100	03/04/2016 11:32	WG852911
Naphthalene	ND		2.31	100	03/04/2016 11:32	WG852911
Phenanthrene	1.04		0.693	100	03/04/2016 11:32	WG852911
Pyrene	1.30		0.693	100	03/04/2016 11:32	WG852911
1-Methylnaphthalene	ND		2.31	100	03/04/2016 11:32	WG852911
2-Methylnaphthalene	ND		2.31	100	03/04/2016 11:32	WG852911
2-Chloronaphthalene	ND		2.31	100	03/04/2016 11:32	WG852911
(S) Nitrobenzene-d5	88.4	J7	22.1-146		03/04/2016 11:32	WG852911
(S) 2-Fluorobiphenyl	93.5	J7	40.6-122		03/04/2016 11:32	WG852911
(S) p-Terphenyl-d14	88.8	J7	32.2-131		03/04/2016 11:32	WG852911

Sample Narrative:

8270D-SIM L820216-22 WG852911: Dilution due to matrix



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	86.2		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	1.13	J3	0.0464	2	03/04/2016 12:59	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	ND		2.32	1	03/04/2016 02:03	WG852855
Barium	63.7		0.580	1	03/04/2016 02:03	WG852855
Cadmium	ND		0.580	1	03/04/2016 02:03	WG852855
Chromium	26.7		1.16	1	03/04/2016 02:03	WG852855
Lead	36.6		0.580	1	03/04/2016 02:03	WG852855
Selenium	ND		2.32	1	03/04/2016 02:03	WG852855
Silver	ND		1.16	1	03/04/2016 02:03	WG852855

⁶ Qc⁷ GI⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.139		0.00696	1	03/04/2016 04:02	WG852911
Acenaphthene	0.0530		0.00696	1	03/04/2016 04:02	WG852911
Acenaphthylene	ND		0.00696	1	03/04/2016 04:02	WG852911
Benz(a)anthracene	0.194		0.00696	1	03/04/2016 04:02	WG852911
Benzo(a)pyrene	0.161		0.00696	1	03/04/2016 04:02	WG852911
Benzo(b)fluoranthene	0.167		0.00696	1	03/04/2016 04:02	WG852911
Benzo(g,h,i)perylene	0.0885		0.00696	1	03/04/2016 04:02	WG852911
Benzo(k)fluoranthene	0.0528		0.00696	1	03/04/2016 04:02	WG852911
Chrysene	0.152		0.00696	1	03/04/2016 04:02	WG852911
Dibenz(a,h)anthracene	0.0221		0.00696	1	03/04/2016 04:02	WG852911
Fluoranthene	0.395		0.00696	1	03/04/2016 04:02	WG852911
Fluorene	0.0673		0.00696	1	03/04/2016 04:02	WG852911
Indeno(1,2,3-cd)pyrene	0.0722		0.00696	1	03/04/2016 04:02	WG852911
Naphthalene	ND		0.0232	1	03/04/2016 04:02	WG852911
Phenanthrene	0.509		0.00696	1	03/04/2016 04:02	WG852911
Pyrene	0.456		0.00696	1	03/04/2016 04:02	WG852911
1-Methylnaphthalene	ND		0.0232	1	03/04/2016 04:02	WG852911
2-Methylnaphthalene	0.0232		0.0232	1	03/04/2016 04:02	WG852911
2-Chloronaphthalene	ND		0.0232	1	03/04/2016 04:02	WG852911
(S) Nitrobenzene-d5	93.1		22.1-146		03/04/2016 04:02	WG852911
(S) 2-Fluorobiphenyl	90.3		40.6-122		03/04/2016 04:02	WG852911
(S) p-Terphenyl-d14	77.9		32.2-131		03/04/2016 04:02	WG852911

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	78.1	J3	1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.651	J3	0.0256	1	03/04/2016 09:12	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	22.8		2.56	1	03/04/2016 02:06	WG852855
Barium	289		0.640	1	03/04/2016 02:06	WG852855
Cadmium	2.06		0.640	1	03/04/2016 02:06	WG852855
Chromium	32.2		1.28	1	03/04/2016 02:06	WG852855
Lead	506		0.640	1	03/04/2016 02:06	WG852855
Selenium	ND		2.56	1	03/04/2016 02:06	WG852855
Silver	ND		1.28	1	03/04/2016 02:06	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.386		0.0384	5	03/04/2016 08:40	WG852911
Acenaphthene	0.284		0.0384	5	03/04/2016 08:40	WG852911
Acenaphthylene	ND		0.0384	5	03/04/2016 08:40	WG852911
Benzo(a)anthracene	1.29		0.0384	5	03/04/2016 08:40	WG852911
Benzo(a)pyrene	1.21		0.0384	5	03/04/2016 08:40	WG852911
Benzo(b)fluoranthene	1.43		0.0384	5	03/04/2016 08:40	WG852911
Benzo(g,h,i)perylene	0.753		0.0384	5	03/04/2016 08:40	WG852911
Benzo(k)fluoranthene	0.419		0.0384	5	03/04/2016 08:40	WG852911
Chrysene	1.13		0.0384	5	03/04/2016 08:40	WG852911
Dibenz(a,h)anthracene	0.198		0.0384	5	03/04/2016 08:40	WG852911
Fluoranthene	2.44		0.0384	5	03/04/2016 08:40	WG852911
Fluorene	0.236		0.0384	5	03/04/2016 08:40	WG852911
Indeno(1,2,3-cd)pyrene	0.582		0.0384	5	03/04/2016 08:40	WG852911
Naphthalene	0.158		0.128	5	03/04/2016 08:40	WG852911
Phenanthrene	1.18		0.0384	5	03/04/2016 08:40	WG852911
Pyrene	2.86		0.0384	5	03/04/2016 08:40	WG852911
1-Methylnaphthalene	ND		0.128	5	03/04/2016 08:40	WG852911
2-Methylnaphthalene	ND		0.128	5	03/04/2016 08:40	WG852911
2-Chloronaphthalene	ND		0.128	5	03/04/2016 08:40	WG852911
(S) Nitrobenzene-d5	72.2		22.1-146		03/04/2016 08:40	WG852911
(S) 2-Fluorobiphenyl	82.8		40.6-122		03/04/2016 08:40	WG852911
(S) p-Terphenyl-d14	75.4		32.2-131		03/04/2016 08:40	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	86.0		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	3.53	J3	0.116	5	03/04/2016 13:01	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	11.3		2.33	1	03/04/2016 02:09	WG852855
Barium	67.2		0.582	1	03/04/2016 02:09	WG852855
Cadmium	ND		0.582	1	03/04/2016 02:09	WG852855
Chromium	14.8		1.16	1	03/04/2016 02:09	WG852855
Lead	94.6		0.582	1	03/04/2016 02:09	WG852855
Selenium	ND		2.33	1	03/04/2016 02:09	WG852855
Silver	ND		1.16	1	03/04/2016 02:09	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	ND		0.140	20	03/04/2016 10:49	WG852911
Acenaphthene	0.272		0.140	20	03/04/2016 10:49	WG852911
Acenaphthylene	ND		0.140	20	03/04/2016 10:49	WG852911
Benz(a)anthracene	0.147		0.140	20	03/04/2016 10:49	WG852911
Benzo(a)pyrene	0.241		0.140	20	03/04/2016 10:49	WG852911
Benzo(b)fluoranthene	0.189		0.140	20	03/04/2016 10:49	WG852911
Benzo(g,h,i)perylene	0.200		0.140	20	03/04/2016 10:49	WG852911
Benzo(k)fluoranthene	ND		0.140	20	03/04/2016 10:49	WG852911
Chrysene	0.180		0.140	20	03/04/2016 10:49	WG852911
Dibenz(a,h)anthracene	ND		0.140	20	03/04/2016 10:49	WG852911
Fluoranthene	0.180		0.140	20	03/04/2016 10:49	WG852911
Fluorene	ND		0.140	20	03/04/2016 10:49	WG852911
Indeno(1,2,3-cd)pyrene	ND		0.140	20	03/04/2016 10:49	WG852911
Naphthalene	ND		0.465	20	03/04/2016 10:49	WG852911
Phenanthrene	0.199		0.140	20	03/04/2016 10:49	WG852911
Pyrene	0.231		0.140	20	03/04/2016 10:49	WG852911
1-Methylnaphthalene	ND		0.465	20	03/04/2016 10:49	WG852911
2-Methylnaphthalene	ND		0.465	20	03/04/2016 10:49	WG852911
2-Chloronaphthalene	ND		0.465	20	03/04/2016 10:49	WG852911
(S) Nitrobenzene-d5	60.4	J7	22.1-146		03/04/2016 10:49	WG852911
(S) 2-Fluorobiphenyl	62.5	J7	40.6-122		03/04/2016 10:49	WG852911
(S) p-Terphenyl-d14	51.8	J7	32.2-131		03/04/2016 10:49	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	73.5		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	52.3	J3	1.36	50	03/04/2016 13:32	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	ND		13.6	5	03/04/2016 07:40	WG852855
Barium	230		3.40	5	03/04/2016 07:40	WG852855
Cadmium	ND		3.40	5	03/04/2016 07:40	WG852855
Chromium	39.1		6.81	5	03/04/2016 07:40	WG852855
Lead	615		3.40	5	03/04/2016 07:40	WG852855
Selenium	ND		13.6	5	03/04/2016 07:40	WG852855
Silver	ND		6.81	5	03/04/2016 07:40	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.696		0.0408	5	03/04/2016 09:02	WG852911
Acenaphthene	0.319		0.0408	5	03/04/2016 09:02	WG852911
Acenaphthylene	ND		0.0408	5	03/04/2016 09:02	WG852911
Benzo(a)anthracene	1.72		0.0408	5	03/04/2016 09:02	WG852911
Benzo(a)pyrene	1.53		0.0408	5	03/04/2016 09:02	WG852911
Benzo(b)fluoranthene	1.62		0.0408	5	03/04/2016 09:02	WG852911
Benzo(g,h,i)perylene	0.919		0.0408	5	03/04/2016 09:02	WG852911
Benzo(k)fluoranthene	0.514		0.0408	5	03/04/2016 09:02	WG852911
Chrysene	1.49		0.0408	5	03/04/2016 09:02	WG852911
Dibenz(a,h)anthracene	0.210		0.0408	5	03/04/2016 09:02	WG852911
Fluoranthene	3.19		0.0408	5	03/04/2016 09:02	WG852911
Fluorene	0.324		0.0408	5	03/04/2016 09:02	WG852911
Indeno(1,2,3-cd)pyrene	0.659		0.0408	5	03/04/2016 09:02	WG852911
Naphthalene	0.341		0.136	5	03/04/2016 09:02	WG852911
Phenanthrene	2.47		0.0408	5	03/04/2016 09:02	WG852911
Pyrene	4.10		0.0408	5	03/04/2016 09:02	WG852911
1-Methylnaphthalene	ND		0.136	5	03/04/2016 09:02	WG852911
2-Methylnaphthalene	ND		0.136	5	03/04/2016 09:02	WG852911
2-Chloronaphthalene	ND		0.136	5	03/04/2016 09:02	WG852911
(S) Nitrobenzene-d5	71.4		22.1-146		03/04/2016 09:02	WG852911
(S) 2-Fluorobiphenyl	79.3		40.6-122		03/04/2016 09:02	WG852911
(S) p-Terphenyl-d14	73.9		32.2-131		03/04/2016 09:02	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	86.0		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.990	J3	0.0232	1	03/04/2016 09:25	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	ND		11.6	5	03/04/2016 07:47	WG852855
Barium	702		2.91	5	03/04/2016 07:47	WG852855
Cadmium	ND		2.91	5	03/04/2016 07:47	WG852855
Chromium	37.2		5.81	5	03/04/2016 07:47	WG852855
Lead	565		2.91	5	03/04/2016 07:47	WG852855
Selenium	ND		11.6	5	03/04/2016 07:47	WG852855
Silver	ND		5.81	5	03/04/2016 07:47	WG852855

⁶ Qc⁷ GI⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.240		0.0139	2	03/04/2016 08:19	WG852911
Acenaphthene	0.114		0.0139	2	03/04/2016 08:19	WG852911
Acenaphthylene	ND		0.0139	2	03/04/2016 08:19	WG852911
Benzo(a)anthracene	0.664		0.0139	2	03/04/2016 08:19	WG852911
Benzo(a)pyrene	0.555		0.0139	2	03/04/2016 08:19	WG852911
Benzo(b)fluoranthene	0.671		0.0139	2	03/04/2016 08:19	WG852911
Benzo(g,h,i)perylene	0.338		0.0139	2	03/04/2016 08:19	WG852911
Benzo(k)fluoranthene	0.216		0.0139	2	03/04/2016 08:19	WG852911
Chrysene	0.553		0.0139	2	03/04/2016 08:19	WG852911
Dibenz(a,h)anthracene	0.0880		0.0139	2	03/04/2016 08:19	WG852911
Fluoranthene	1.28		0.0139	2	03/04/2016 08:19	WG852911
Fluorene	0.0956		0.0139	2	03/04/2016 08:19	WG852911
Indeno(1,2,3-cd)pyrene	0.273		0.0139	2	03/04/2016 08:19	WG852911
Naphthalene	0.0958		0.0465	2	03/04/2016 08:19	WG852911
Phenanthrene	0.995		0.0139	2	03/04/2016 08:19	WG852911
Pyrene	1.37		0.0139	2	03/04/2016 08:19	WG852911
1-Methylnaphthalene	ND		0.0465	2	03/04/2016 08:19	WG852911
2-Methylnaphthalene	ND		0.0465	2	03/04/2016 08:19	WG852911
2-Chloronaphthalene	ND		0.0465	2	03/04/2016 08:19	WG852911
(S) Nitrobenzene-d5	63.9		22.1-146		03/04/2016 08:19	WG852911
(S) 2-Fluorobiphenyl	74.5		40.6-122		03/04/2016 08:19	WG852911
(S) p-Terphenyl-d14	59.8		32.2-131		03/04/2016 08:19	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	87.5		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.680	J3	0.0228	1	03/04/2016 09:28	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	5.06		2.28	1	03/04/2016 02:18	WG852855
Barium	718		0.571	1	03/04/2016 02:18	WG852855
Cadmium	1.40		0.571	1	03/04/2016 02:18	WG852855
Chromium	47.7		1.14	1	03/04/2016 02:18	WG852855
Lead	310		0.571	1	03/04/2016 02:18	WG852855
Selenium	ND		2.28	1	03/04/2016 02:18	WG852855
Silver	ND		1.14	1	03/04/2016 02:18	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.957		0.137	20	03/04/2016 10:06	WG852911
Acenaphthene	0.389		0.137	20	03/04/2016 10:06	WG852911
Acenaphthylene	ND		0.137	20	03/04/2016 10:06	WG852911
Benz(a)anthracene	1.72		0.137	20	03/04/2016 10:06	WG852911
Benzo(a)pyrene	1.41		0.137	20	03/04/2016 10:06	WG852911
Benzo(b)fluoranthene	1.84		0.137	20	03/04/2016 10:06	WG852911
Benzo(g,h,i)perylene	0.855		0.137	20	03/04/2016 10:06	WG852911
Benzo(k)fluoranthene	0.559		0.137	20	03/04/2016 10:06	WG852911
Chrysene	1.48		0.137	20	03/04/2016 10:06	WG852911
Dibenz(a,h)anthracene	0.222		0.137	20	03/04/2016 10:06	WG852911
Fluoranthene	3.61		0.137	20	03/04/2016 10:06	WG852911
Fluorene	0.339		0.137	20	03/04/2016 10:06	WG852911
Indeno(1,2,3-cd)pyrene	0.721		0.137	20	03/04/2016 10:06	WG852911
Naphthalene	ND		0.457	20	03/04/2016 10:06	WG852911
Phenanthrene	3.03		0.137	20	03/04/2016 10:06	WG852911
Pyrene	3.56		0.137	20	03/04/2016 10:06	WG852911
1-Methylnaphthalene	ND		0.457	20	03/04/2016 10:06	WG852911
2-Methylnaphthalene	ND		0.457	20	03/04/2016 10:06	WG852911
2-Chloronaphthalene	ND		0.457	20	03/04/2016 10:06	WG852911
(S) Nitrobenzene-d5	75.5	J7	22.1-146		03/04/2016 10:06	WG852911
(S) 2-Fluorobiphenyl	87.1	J7	40.6-122		03/04/2016 10:06	WG852911
(S) p-Terphenyl-d14	73.8	J7	32.2-131		03/04/2016 10:06	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	85.1		1	02/27/2016 11:19	WG852523

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.331	J3	0.0235	1	03/04/2016 09:31	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	20.8		2.35	1	03/04/2016 02:21	WG852855
Barium	244		0.588	1	03/04/2016 02:21	WG852855
Cadmium	1.50		0.588	1	03/04/2016 02:21	WG852855
Chromium	27.3		1.18	1	03/04/2016 02:21	WG852855
Lead	331		0.588	1	03/04/2016 02:21	WG852855
Selenium	ND		2.35	1	03/04/2016 02:21	WG852855
Silver	ND		1.18	1	03/04/2016 02:21	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.323		0.141	20	03/04/2016 10:28	WG852911
Acenaphthene	ND		0.141	20	03/04/2016 10:28	WG852911
Acenaphthylene	ND		0.141	20	03/04/2016 10:28	WG852911
Benz(a)anthracene	1.18		0.141	20	03/04/2016 10:28	WG852911
Benzo(a)pyrene	1.16		0.141	20	03/04/2016 10:28	WG852911
Benzo(b)fluoranthene	1.94		0.141	20	03/04/2016 10:28	WG852911
Benzo(g,h,i)perylene	0.760		0.141	20	03/04/2016 10:28	WG852911
Benzo(k)fluoranthene	0.449		0.141	20	03/04/2016 10:28	WG852911
Chrysene	1.56		0.141	20	03/04/2016 10:28	WG852911
Dibenz(a,h)anthracene	0.338		0.141	20	03/04/2016 10:28	WG852911
Fluoranthene	2.22		0.141	20	03/04/2016 10:28	WG852911
Fluorene	0.152		0.141	20	03/04/2016 10:28	WG852911
Indeno(1,2,3-cd)pyrene	0.599		0.141	20	03/04/2016 10:28	WG852911
Naphthalene	0.598		0.470	20	03/04/2016 10:28	WG852911
Phenanthrene	1.21		0.141	20	03/04/2016 10:28	WG852911
Pyrene	2.06		0.141	20	03/04/2016 10:28	WG852911
1-Methylnaphthalene	ND		0.470	20	03/04/2016 10:28	WG852911
2-Methylnaphthalene	ND		0.470	20	03/04/2016 10:28	WG852911
2-Chloronaphthalene	ND		0.470	20	03/04/2016 10:28	WG852911
(S) Nitrobenzene-d5	74.4	J7	22.1-146		03/04/2016 10:28	WG852911
(S) 2-Fluorobiphenyl	81.2	J7	40.6-122		03/04/2016 10:28	WG852911
(S) p-Terphenyl-d14	63.3	J7	32.2-131		03/04/2016 10:28	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	90.6		1	02/27/2016 12:44	WG852524

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	1.06	J3	0.0221	1	03/04/2016 09:33	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	33.4		11.0	5	03/04/2016 07:50	WG852855
Barium	435		2.76	5	03/04/2016 07:50	WG852855
Cadmium	ND		2.76	5	03/04/2016 07:50	WG852855
Chromium	46.3		5.52	5	03/04/2016 07:50	WG852855
Lead	1110		2.76	5	03/04/2016 07:50	WG852855
Selenium	ND		11.0	5	03/04/2016 07:50	WG852855
Silver	ND		5.52	5	03/04/2016 07:50	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.115		0.0331	5	03/04/2016 09:23	WG852911
Acenaphthene	0.0408		0.0331	5	03/04/2016 09:23	WG852911
Acenaphthylene	ND		0.0331	5	03/04/2016 09:23	WG852911
Benz(a)anthracene	0.269		0.0331	5	03/04/2016 09:23	WG852911
Benzo(a)pyrene	0.237		0.0331	5	03/04/2016 09:23	WG852911
Benzo(b)fluoranthene	0.346		0.0331	5	03/04/2016 09:23	WG852911
Benzo(g,h,i)perylene	0.170		0.0331	5	03/04/2016 09:23	WG852911
Benzo(k)fluoranthene	0.108		0.0331	5	03/04/2016 09:23	WG852911
Chrysene	0.336		0.0331	5	03/04/2016 09:23	WG852911
Dibenz(a,h)anthracene	0.0505		0.0331	5	03/04/2016 09:23	WG852911
Fluoranthene	0.546		0.0331	5	03/04/2016 09:23	WG852911
Fluorene	0.0646		0.0331	5	03/04/2016 09:23	WG852911
Indeno(1,2,3-cd)pyrene	0.134		0.0331	5	03/04/2016 09:23	WG852911
Naphthalene	0.222		0.110	5	03/04/2016 09:23	WG852911
Phenanthrene	0.489		0.0331	5	03/04/2016 09:23	WG852911
Pyrene	0.578		0.0331	5	03/04/2016 09:23	WG852911
1-Methylnaphthalene	ND		0.110	5	03/04/2016 09:23	WG852911
2-Methylnaphthalene	0.234		0.110	5	03/04/2016 09:23	WG852911
2-Chloronaphthalene	ND		0.110	5	03/04/2016 09:23	WG852911
(S) Nitrobenzene-d5	69.9		22.1-146		03/04/2016 09:23	WG852911
(S) 2-Fluorobiphenyl	82.1		40.6-122		03/04/2016 09:23	WG852911
(S) p-Terphenyl-d14	71.4		32.2-131		03/04/2016 09:23	WG852911



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	66.5		1	03/01/2016 16:18	WG852781

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	95.0	J3	3.01	100	03/04/2016 13:12	WG852490

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	15.1		3.01	1	03/04/2016 02:33	WG852855
Barium	98.5		0.751	1	03/04/2016 02:33	WG852855
Cadmium	ND		0.751	1	03/04/2016 02:33	WG852855
Chromium	62.1		1.50	1	03/04/2016 02:33	WG852855
Lead	286		0.751	1	03/04/2016 02:33	WG852855
Selenium	ND		3.01	1	03/04/2016 02:33	WG852855
Silver	3.61		1.50	1	03/04/2016 02:33	WG852855

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	1.12		0.180	20	03/04/2016 11:11	WG852911
Acenaphthene	0.856		0.180	20	03/04/2016 11:11	WG852911
Acenaphthylene	ND		0.180	20	03/04/2016 11:11	WG852911
Benz(a)anthracene	1.63		0.180	20	03/04/2016 11:11	WG852911
Benzo(a)pyrene	1.30		0.180	20	03/04/2016 11:11	WG852911
Benzo(b)fluoranthene	1.59		0.180	20	03/04/2016 11:11	WG852911
Benzo(g,h,i)perylene	0.745		0.180	20	03/04/2016 11:11	WG852911
Benzo(k)fluoranthene	0.448		0.180	20	03/04/2016 11:11	WG852911
Chrysene	1.65		0.180	20	03/04/2016 11:11	WG852911
Dibenz(a,h)anthracene	0.189		0.180	20	03/04/2016 11:11	WG852911
Fluoranthene	2.82		0.180	20	03/04/2016 11:11	WG852911
Fluorene	0.779		0.180	20	03/04/2016 11:11	WG852911
Indeno(1,2,3-cd)pyrene	0.581		0.180	20	03/04/2016 11:11	WG852911
Naphthalene	0.751		0.601	20	03/04/2016 11:11	WG852911
Phenanthrene	4.01		0.180	20	03/04/2016 11:11	WG852911
Pyrene	4.15		0.180	20	03/04/2016 11:11	WG852911
1-Methylnaphthalene	ND		0.601	20	03/04/2016 11:11	WG852911
2-Methylnaphthalene	ND		0.601	20	03/04/2016 11:11	WG852911
2-Chloronaphthalene	ND		0.601	20	03/04/2016 11:11	WG852911
(S) Nitrobenzene-d5	67.9	J7	22.1-146		03/04/2016 11:11	WG852911
(S) 2-Fluorobiphenyl	66.8	J7	40.6-122		03/04/2016 11:11	WG852911
(S) p-Terphenyl-d14	65.1	J7	32.2-131		03/04/2016 11:11	WG852911

L820216-01,02,03,04,05,06,07,08,09

Method Blank (MB)

(MB) 02/27/16 13:04

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000		

¹Cp

L820216-05 Original Sample (OS) • Duplicate (DUP)

(OS) 02/27/16 13:04 • (DUP) 02/27/16 13:04

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	82.2	83.0	1	1.03		5

²Tc³Ss⁴Cn⁵Sr⁶Qc

Laboratory Control Sample (LCS)

(LCS) 02/27/16 13:04

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

⁷Gl⁸Al⁹Sc

L820216-10,11,12,13,14,15,16,17,18,19

Method Blank (MB)

(MB) 02/27/16 12:31

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000600		

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820216-19 Original Sample (OS) • Duplicate (DUP)

(OS) 02/27/16 12:31 • (DUP) 02/27/16 12:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	84.2	80.1	1	4.90		5

Laboratory Control Sample (LCS)

(LCS) 02/27/16 12:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Total Solids	50.0	50.1	100	85.0-115	

L820216-20,21,22,23,24,25,26,27,28,29

Method Blank (MB)

(MB) 02/27/16 11:19

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000600		

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820216-24 Original Sample (OS) • Duplicate (DUP)

(OS) 02/27/16 11:19 • (DUP) 02/27/16 11:19

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	78.1	73.2	1	6.45	J3	5

Laboratory Control Sample (LCS)

(LCS) 02/27/16 11:19

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



Method Blank (MB)

(MB) 02/27/16 12:44

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000400		

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820221-07 Original Sample (OS) • Duplicate (DUP)

(OS) 02/27/16 12:44 • (DUP) 02/27/16 12:44

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	78.0	78.1	1	0.0500		5

Laboratory Control Sample (LCS)

(LCS) 02/27/16 12:44

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



Method Blank (MB)

(MB) 03/01/16 16:18

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000		

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820318-01 Original Sample (OS) • Duplicate (DUP)

(OS) 03/01/16 16:18 • (DUP) 03/01/16 16:18

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	84.1	86.9	1	3.31		5

Laboratory Control Sample (LCS)

(LCS) 03/01/16 16:18

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

⁹Sc



Method Blank (MB)

(MB) 03/03/16 10:27

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Mercury	ND		0.0200

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/03/16 10:29 • (LCSD) 03/03/16 10:32

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.273	0.270	91	90	80-120			1	20

L820216-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/03/16 10:34 • (MS) 03/03/16 10:37 • (MSD) 03/03/16 10:45

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	3.26	3.17	3.20	0	0	1	75-125	V	V	1	20

⁹Sc



Method Blank (MB)

(MB) 03/04/16 08:18

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Mercury	ND		0.0200

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/04/16 08:21 • (LCSD) 03/04/16 08:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.319	0.258	106	86	80-120	J3		21	20

L820195-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 08:26 • (MS) 03/04/16 08:29 • (MSD) 03/04/16 08:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.0125	0.345	0.355	111	114	1	75-125			3	20

⁹Sc



Method Blank (MB)

(MB) 03/04/16 16:08

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Mercury	ND		0.0200

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/04/16 16:11 • (LCSD) 03/04/16 16:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.240	0.244	80	81	80-120			2	20

L820316-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 16:16 • (MS) 03/04/16 16:18 • (MSD) 03/04/16 16:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.0118	0.230	0.225	73	71	1	75-125	J6	J6	2	20

⁹Sc



Method Blank (MB)

(MB) 03/03/16 12:20

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Arsenic	ND	2.00	
Barium	ND	0.500	
Cadmium	ND	0.500	
Lead	ND	0.500	
Selenium	ND	2.00	

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al

Method Blank (MB)

(MB) 03/04/16 08:31

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Chromium	ND		1.00

⁹Sc

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

(LCS) 03/03/16 12:23 • (LCSD) 03/03/16 12:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Arsenic	100	100	101	100	101	80-120			1	20
Barium	100	99.9	100	100	100	80-120			1	20
Cadmium	100	102	103	102	103	80-120			1	20
Lead	100	104	104	104	104	80-120			0	20
Selenium	100	104	105	104	105	80-120			1	20

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

(LCS) 03/04/16 08:34 • (LCSD) 03/04/16 08:37

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Chromium	100	99.9	100	100	100	80-120			0	20



L820216-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/03/16 12:28 • (MS) 03/03/16 12:37 • (MSD) 03/03/16 12:40

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits
Arsenic	100	1.48	98.3	101	97	99	1	75-125			2	20
Barium	100	27.6	131	130	104	103	1	75-125			1	20
Cadmium	100	0.0802	99.2	102	99	102	1	75-125			3	20
Lead	100	18.3	126	127	108	109	1	75-125			1	20
Selenium	100	ND	101	103	101	103	1	75-125			2	20

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820216-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 08:40 • (MS) 03/04/16 08:49 • (MSD) 03/04/16 08:52

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits
Chromium	100	20.3	118	121	98	101	1	75-125			2	20

L820216-21,22,23,24,25,26,27,28,29,30,31

Method Blank (MB)

(MB) 03/04/16 01:31

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Arsenic	ND		2.00
Barium	ND		0.500
Cadmium	ND		0.500
Chromium	ND		1.00
Lead	ND		0.500
Selenium	ND		2.00
Silver	ND		1.00

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/04/16 01:33 • (LCSD) 03/04/16 01:36

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Arsenic	100	98.5	89.0	98	89	80-120			10	20
Barium	100	101	91.2	101	91	80-120			10	20
Cadmium	100	102	92.5	102	92	80-120			9	20
Chromium	100	98.4	88.8	98	89	80-120			10	20
Lead	100	102	92.4	102	92	80-120			10	20
Selenium	100	102	92.1	102	92	80-120			10	20
Silver	100	95.1	86.4	95	86	80-120			10	20

⁶Qc

L820216-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 01:39 • (MS) 03/04/16 01:54 • (MSD) 03/04/16 01:57

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits	
Arsenic	100	8.84	98.7	109	90	100	1	75-125		10	20	
Barium	100	167	1260	502	1090	335	1	75-125	J5	J3 J5	86	20
Cadmium	100	0.635	93.3	105	93	105	1	75-125			12	20
Chromium	100	22.2	107	120	85	98	1	75-125			11	20
Lead	100	3450	364	378	0	0	1	75-125	V	V	4	20
Selenium	100	0.847	92.1	104	91	103	1	75-125			12	20
Silver	100	0.0725	87.3	98.6	87	99	1	75-125			12	20

⁷Gl⁸Al⁹Sc



Method Blank (MB)

(MB) 03/04/16 12:15

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Silver	ND		1.00

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/04/16 12:17 • (LCSD) 03/04/16 12:20

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Silver	100	101	103	101	103	80-120			2	20

L820216-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 12:23 • (MS) 03/04/16 12:40 • (MSD) 03/04/16 12:43

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Silver	100	0.357	103	107	102	106	1	75-125			4	20

⁹Sc



Method Blank (MB)

(MB) 03/02/16 21:58

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

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Method Blank (MB)

(MB) 03/02/16 21:58

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	
2,2-Dichloropropane	ND		0.00100	¹ Cp
Di-isopropyl ether	ND		0.00100	² Tc
Ethylbenzene	ND		0.00100	³ Ss
Hexachloro-1,3-butadiene	ND		0.00100	⁴ Cn
Isopropylbenzene	ND		0.00100	⁵ Sr
p-Isopropyltoluene	ND		0.00100	⁶ Qc
2-Butanone (MEK)	ND		0.0100	⁷ Gl
Methylene Chloride	ND		0.00500	⁸ Al
4-Methyl-2-pentanone (MIBK)	ND		0.0100	⁹ Sc
Methyl tert-butyl ether	ND		0.00100	
Naphthalene	ND		0.00500	
n-Propylbenzene	ND		0.00100	
Styrene	ND		0.00100	
1,1,1,2-Tetrachloroethane	ND		0.00100	
1,1,2,2-Tetrachloroethane	ND		0.00100	
Tetrachloroethene	ND		0.00100	
Toluene	ND		0.00500	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	
1,2,3-Trichlorobenzene	ND		0.00100	
1,2,4-Trichlorobenzene	ND		0.00100	
1,1,1-Trichloroethane	ND		0.00100	
1,1,2-Trichloroethane	ND		0.00100	
Trichloroethene	ND		0.00100	
Trichlorofluoromethane	ND		0.00500	
1,2,3-Trichloropropane	ND		0.00250	
1,2,3-Trimethylbenzene	ND		0.00100	
1,2,4-Trimethylbenzene	ND		0.00100	
1,3,5-Trimethylbenzene	ND		0.00100	
Vinyl chloride	ND		0.00100	
Xylenes, Total	ND		0.00300	
(S) Toluene-d8	93.4		88.7-115	
(S) Dibromofluoromethane	96.7		76.3-123	
(S) 4-Bromofluorobenzene	101		69.7-129	



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

(LCS) 03/02/16 20:49 • (LCSD) 03/02/16 21:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.125	0.131	0.130	105	104	25.3-178			0.770	22.9
Acrylonitrile	0.125	0.111	0.110	89.1	87.8	57.8-143			1.49	20
Benzene	0.0250	0.0236	0.0242	94.6	96.7	72.6-120			2.20	20
Bromobenzene	0.0250	0.0228	0.0247	91.4	98.9	80.3-115			7.89	20
Bromodichloromethane	0.0250	0.0255	0.0271	102	109	75.3-119			6.34	20
Bromoform	0.0250	0.0320	0.0351	128	140	69.1-135	J4		9.18	20
Bromomethane	0.0250	0.0291	0.0316	116	126	23.0-191			8.31	20
n-Butylbenzene	0.0250	0.0233	0.0251	93.3	100	74.2-134			7.30	20
sec-Butylbenzene	0.0250	0.0241	0.0254	96.6	101	77.8-129			4.96	20
tert-Butylbenzene	0.0250	0.0250	0.0263	100	105	77.2-129			4.99	20
Carbon tetrachloride	0.0250	0.0253	0.0250	101	99.9	69.4-129			1.34	20
Chlorobenzene	0.0250	0.0259	0.0286	104	114	78.9-122			9.60	20
Chlorodibromomethane	0.0250	0.0308	0.0342	123	137	76.4-126	J4		10.4	20
Chloroethane	0.0250	0.0271	0.0292	108	117	47.2-147			7.52	20
2-Chloroethyl vinyl ether	0.125	0.143	0.159	114	127	16.7-162			10.5	23.7
Chloroform	0.0250	0.0240	0.0242	95.9	96.8	73.3-122			0.900	20
Chloromethane	0.0250	0.0226	0.0241	90.5	96.5	53.1-135			6.48	20
2-Chlorotoluene	0.0250	0.0214	0.0232	85.5	92.6	74.6-127			7.99	20
4-Chlorotoluene	0.0250	0.0239	0.0257	95.5	103	79.5-123			7.42	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0272	0.0305	109	122	64.9-131			11.7	20
1,2-Dibromoethane	0.0250	0.0273	0.0305	109	122	67.2-121	J4		11.1	20
Dibromomethane	0.0250	0.0253	0.0274	101	110	78.5-117			8.02	20
1,2-Dichlorobenzene	0.0250	0.0247	0.0276	99.0	110	83.6-119			10.8	20
1,3-Dichlorobenzene	0.0250	0.0241	0.0264	96.4	106	75.9-129			9.08	20
1,4-Dichlorobenzene	0.0250	0.0244	0.0268	97.6	107	81.0-115			9.21	20
Dichlorodifluoromethane	0.0250	0.0266	0.0285	106	114	50.9-139			7.03	20
1,1-Dichloroethane	0.0250	0.0234	0.0240	93.5	96.2	71.7-125			2.82	20
1,2-Dichloroethane	0.0250	0.0236	0.0252	94.3	101	67.2-121			6.45	20
1,1-Dichloroethene	0.0250	0.0275	0.0289	110	115	60.6-133			4.67	20
cis-1,2-Dichloroethene	0.0250	0.0248	0.0253	99.3	101	76.1-121			1.73	20
trans-1,2-Dichloroethene	0.0250	0.0245	0.0256	97.8	102	70.7-124			4.50	20
1,2-Dichloropropane	0.0250	0.0241	0.0249	96.4	99.5	76.9-123			3.20	20
1,1-Dichloropropene	0.0250	0.0243	0.0240	97.3	95.8	71.2-126			1.55	20
1,3-Dichloropropane	0.0250	0.0261	0.0291	104	116	80.3-114	J4		10.9	20
cis-1,3-Dichloropropene	0.0250	0.0270	0.0294	108	118	77.3-123			8.68	20
trans-1,3-Dichloropropene	0.0250	0.0258	0.0302	103	121	73.0-127			15.5	20

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



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

(LCS) 03/02/16 20:49 • (LCSD) 03/02/16 21:07

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
2,2-Dichloropropane	0.0250	0.0259	0.0253	103	101	61.9-132			2.01	20
Di-isopropyl ether	0.0250	0.0234	0.0250	93.8	100	67.2-131			6.58	20
Ethylbenzene	0.0250	0.0258	0.0272	103	109	78.6-124			5.20	20
Hexachloro-1,3-butadiene	0.0250	0.0246	0.0277	98.6	111	69.2-136			11.5	20
Isopropylbenzene	0.0250	0.0250	0.0264	99.9	106	79.4-126			5.65	20
p-Isopropyltoluene	0.0250	0.0251	0.0265	101	106	75.4-132			5.24	20
2-Butanone (MEK)	0.125	0.0906	0.0877	72.5	70.2	44.5-154			3.22	21.3
Methylene Chloride	0.0250	0.0236	0.0254	94.3	101	68.2-119			7.35	20
4-Methyl-2-pentanone (MIBK)	0.125	0.105	0.117	84.4	93.3	61.1-138			10.0	20
Methyl tert-butyl ether	0.0250	0.0237	0.0256	94.9	102	70.2-122			7.45	20
Naphthalene	0.0250	0.0241	0.0275	96.2	110	69.9-132			13.5	20
n-Propylbenzene	0.0250	0.0246	0.0259	98.4	104	80.2-124			5.28	20
Styrene	0.0250	0.0265	0.0284	106	113	79.4-124			6.86	20
1,1,1,2-Tetrachloroethane	0.0250	0.0273	0.0297	109	119	76.7-127			8.46	20
1,1,2,2-Tetrachloroethane	0.0250	0.0231	0.0246	92.5	98.3	78.8-124			6.08	20
Tetrachloroethene	0.0250	0.0271	0.0285	109	114	71.1-133			4.80	20
Toluene	0.0250	0.0247	0.0267	99.0	107	76.7-116			7.64	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0278	0.0288	111	115	62.6-138			3.56	20
1,2,3-Trichlorobenzene	0.0250	0.0249	0.0289	99.5	116	72.5-137			15.1	20
1,2,4-Trichlorobenzene	0.0250	0.0260	0.0292	104	117	74.0-137			11.7	20
1,1,1-Trichloroethane	0.0250	0.0241	0.0237	96.6	94.8	69.9-127			1.87	20
1,1,2-Trichloroethane	0.0250	0.0264	0.0288	105	115	81.9-119			9.03	20
Trichloroethene	0.0250	0.0249	0.0263	99.8	105	77.2-122			5.19	20
Trichlorofluoromethane	0.0250	0.0244	0.0254	97.8	101	51.5-151			3.71	20
1,2,3-Trichloropropane	0.0250	0.0248	0.0268	99.0	107	74.0-124			8.04	20
1,2,3-Trimethylbenzene	0.0250	0.0229	0.0253	91.6	101	79.4-118			9.84	20
1,2,4-Trimethylbenzene	0.0250	0.0239	0.0254	95.6	102	77.1-124			6.02	20
1,3,5-Trimethylbenzene	0.0250	0.0244	0.0259	97.5	104	79.0-125			6.12	20
Vinyl chloride	0.0250	0.0265	0.0277	106	111	58.4-134			4.34	20
Xylenes, Total	0.0750	0.0770	0.0819	103	109	78.1-123			6.13	20
(S) Toluene-d8				98.1	98.3	88.7-115				
(S) Dibromofluoromethane				97.7	92.8	76.3-123				
(S) 4-Bromofluorobenzene				95.9	94.5	69.7-129				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L820216-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/03/16 00:51 • (MS) 03/02/16 22:33 • (MSD) 03/02/16 22:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Acetone	0.125	0.0218	0.0816	0.0828	47.8	48.8	1	5.00-182			1.46	31.5
Acrylonitrile	0.125	ND	0.0816	0.0777	65.3	62.2	1	39.3-152			4.88	27.2
Benzene	0.0250	0.000761	0.0146	0.0144	55.3	54.4	1	47.8-131			1.62	22.8
Bromobenzene	0.0250	ND	0.0114	0.00865	45.4	34.6	1	40.0-130	J6		27.0	27.4
Bromodichloromethane	0.0250	ND	0.0170	0.0161	67.9	64.4	1	50.6-128			5.22	22.8
Bromoform	0.0250	ND	0.0193	0.0163	77.4	65.3	1	43.3-139			17.0	25.9
Bromomethane	0.0250	ND	0.0179	0.0167	71.6	67.0	1	5.00-189			6.67	26.7
n-Butylbenzene	0.0250	ND	0.00658	0.00553	26.3	22.1	1	23.6-146	J6		17.3	39.2
sec-Butylbenzene	0.0250	ND	0.00629	0.00460	25.2	18.4	1	31.0-142	J6	J6	30.9	34.7
tert-Butylbenzene	0.0250	ND	0.00788	0.00569	31.5	22.8	1	36.9-142	J6	J3 J6	32.3	31.7
Carbon tetrachloride	0.0250	0.00429	0.0137	0.0124	37.5	32.5	1	46.0-140	J6	J6	9.68	27.2
Chlorobenzene	0.0250	ND	0.0148	0.0117	59.2	46.9	1	44.1-134			23.1	25.7
Chlorodibromomethane	0.0250	ND	0.0200	0.0179	80.0	71.4	1	49.7-134			11.3	24
Chloroethane	0.0250	ND	0.0172	0.0160	68.7	63.9	1	5.00-164			7.14	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.102	0.100	81.2	80.0	1	5.00-159			1.52	40
Chloroform	0.0250	0.0381	0.0286	0.0318	0.000	0.000	1	51.2-133	J6	J6	10.7	22.8
Chloromethane	0.0250	ND	0.0140	0.0131	56.0	52.4	1	31.4-141			6.76	24.6
2-Chlorotoluene	0.0250	ND	0.00979	0.00703	39.2	28.1	1	36.1-137		J3 J6	32.8	28.9
4-Chlorotoluene	0.0250	ND	0.0107	0.00774	42.8	31.0	1	35.4-137		J3 J6	32.1	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.0199	0.0170	79.4	68.0	1	40.4-138			15.6	30.8
1,2-Dibromoethane	0.0250	ND	0.0186	0.0163	74.2	65.1	1	50.2-133			13.0	23.6
Dibromomethane	0.0250	ND	0.0173	0.0166	69.4	66.3	1	52.4-128			4.55	23
1,2-Dichlorobenzene	0.0250	0.00146	0.0170	0.0148	62.2	53.4	1	34.6-139			13.8	29.9
1,3-Dichlorobenzene	0.0250	0.000171	0.0104	0.00768	41.1	30.0	1	28.4-142			30.6	31.2
1,4-Dichlorobenzene	0.0250	0.000610	0.0156	0.0129	59.8	49.2	1	35.0-133			18.6	31.1
Dichlorodifluoromethane	0.0250	ND	0.0153	0.0139	61.0	55.4	1	31.2-144			9.62	30.2
1,1-Dichloroethane	0.0250	0.000162	0.0149	0.0151	59.1	59.8	1	49.1-136			1.28	22.9
1,2-Dichloroethane	0.0250	0.000156	0.0163	0.0162	64.7	64.4	1	47.1-129			0.520	22.7
1,1-Dichloroethene	0.0250	ND	0.0168	0.0147	67.2	58.9	1	36.1-142			13.2	25.6
cis-1,2-Dichloroethene	0.0250	0.0161	0.0206	0.0224	17.8	25.0	1	50.6-133	J6	J6	8.37	23
trans-1,2-Dichloroethene	0.0250	ND	0.0139	0.0134	55.7	53.4	1	43.8-135			4.18	24.8
1,2-Dichloropropane	0.0250	ND	0.0156	0.0152	62.4	60.9	1	50.3-134			2.49	22.7
1,1-Dichloropropene	0.0250	ND	0.0128	0.0115	51.0	46.1	1	43.0-137			10.1	26.4
1,3-Dichloropropane	0.0250	ND	0.0183	0.0166	73.2	66.2	1	51.4-127			9.96	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.0177	0.0166	70.6	66.4	1	48.4-134			6.21	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.0182	0.0162	72.6	64.8	1	46.6-135			11.4	25.3

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L820216-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/03/16 00:51 • (MS) 03/02/16 22:33 • (MSD) 03/02/16 22:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
2,2-Dichloropropane	0.0250	ND	0.0155	0.0153	62.2	61.4	1	45.2-141			1.24	26.8
Di-isopropyl ether	0.0250	ND	0.0155	0.0160	61.8	64.2	1	46.7-140			3.74	23.5
Ethylbenzene	0.0250	0.000147	0.0131	0.0100	51.8	39.5	1	44.8-135		J6	26.5	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.00359	0.00302	14.4	12.1	1	10.0-149			17.3	40
Isopropylbenzene	0.0250	ND	0.0102	0.00759	41.0	30.4	1	41.9-139	J6	J3 J6	29.7	29.3
p-Isopropyltoluene	0.0250	ND	0.00631	0.00470	25.2	18.8	1	27.3-146	J6	J6	29.3	35.1
2-Butanone (MEK)	0.125	0.00206	0.0620	0.0625	48.0	48.3	1	23.9-170			0.690	28.3
Methylene Chloride	0.0250	0.000792	0.0156	0.0155	59.2	58.9	1	46.7-125			0.550	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.0821	0.0763	65.7	61.0	1	42.4-146			7.36	26.7
Methyl tert-butyl ether	0.0250	ND	0.0162	0.0166	64.8	66.3	1	50.4-131			2.39	24.8
Naphthalene	0.0250	0.000361	0.00857	0.00643	32.8	24.3	1	18.4-145			28.6	34
n-Propylbenzene	0.0250	ND	0.00920	0.00673	36.8	26.9	1	35.2-139		J6	31.1	31.9
Styrene	0.0250	ND	0.0141	0.0105	56.3	42.1	1	39.7-137		J3	28.9	28.2
1,1,1,2-Tetrachloroethane	0.0250	ND	0.0163	0.0134	65.2	53.4	1	48.8-136			19.8	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.0150	0.0123	60.1	49.3	1	45.7-140			19.8	26.4
Tetrachloroethene	0.0250	0.0928	0.207	0.229	456	545	1	37.7-140	J5	J5	10.3	29.2
Toluene	0.0250	0.00346	0.0161	0.0145	50.4	44.1	1	47.8-127		J6	10.4	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0151	0.0118	60.3	47.2	1	35.7-146			24.3	28.8
1,2,3-Trichlorobenzene	0.0250	0.00105	0.0108	0.0104	39.2	37.3	1	10.0-150			4.35	38.5
1,2,4-Trichlorobenzene	0.0250	0.000300	0.00988	0.00891	38.3	34.4	1	10.0-153			10.4	39.3
1,1,1-Trichloroethane	0.0250	ND	0.0140	0.0132	55.8	52.6	1	49.0-138			5.89	25.3
1,1,2-Trichloroethane	0.0250	ND	0.0182	0.0167	72.9	67.0	1	52.3-132			8.57	23.4
Trichloroethene	0.0250	0.00909	0.0216	0.0222	50.1	52.5	1	48.0-132			2.73	24.8
Trichlorofluoromethane	0.0250	ND	0.0146	0.0128	58.5	51.3	1	12.8-169			13.2	29.7
1,2,3-Trichloropropane	0.0250	ND	0.0163	0.0136	65.2	54.3	1	44.4-138			18.3	26.3
1,2,3-Trimethylbenzene	0.0250	0.000193	0.0113	0.00944	44.5	37.0	1	41.0-133		J6	18.2	27.6
1,2,4-Trimethylbenzene	0.0250	0.000200	0.00872	0.00633	34.1	24.5	1	32.9-139		J3 J6	31.8	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.00876	0.00637	35.0	25.5	1	37.1-138	J6	J3 J6	31.7	30.6
Vinyl chloride	0.0250	ND	0.0156	0.0141	62.2	56.5	1	32.0-146			9.69	26.3
Xylenes, Total	0.0750	0.00112	0.0384	0.0293	49.7	37.5	1	42.7-135		J3 J6	27.1	26.6
(S) Toluene-d8					96.8	95.8		88.7-115				
(S) Dibromofluoromethane					96.2	98.7		76.3-123				
(S) 4-Bromofluorobenzene					86.9	80.1		69.7-129				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 03/04/16 01:12

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	
Acetone	ND		0.0500	¹ Cp
Acrylonitrile	ND		0.0100	² Tc
Benzene	ND		0.00100	³ Ss
Bromobenzene	ND		0.00100	⁴ Cn
Bromodichloromethane	ND		0.00100	⁵ Sr
Bromoform	ND		0.00100	⁶ Qc
Bromomethane	ND		0.00500	⁷ Gl
n-Butylbenzene	ND		0.00100	⁸ Al
sec-Butylbenzene	ND		0.00100	
tert-Butylbenzene	ND		0.00100	
Carbon tetrachloride	ND		0.00100	
Chlorobenzene	ND		0.00100	
Chlorodibromomethane	ND		0.00100	
Chloroethane	ND		0.00500	
2-Chloroethyl vinyl ether	ND		0.0500	
Chloroform	ND		0.00500	
Chloromethane	ND		0.00250	
2-Chlorotoluene	ND		0.00100	
4-Chlorotoluene	ND		0.00100	
1,2-Dibromo-3-Chloropropane	ND		0.00500	
1,2-Dibromoethane	ND		0.00100	
Dibromomethane	ND		0.00100	
1,2-Dichlorobenzene	ND		0.00100	
1,3-Dichlorobenzene	ND		0.00100	
1,4-Dichlorobenzene	ND		0.00100	
Dichlorodifluoromethane	ND		0.00500	
1,1-Dichloroethane	ND		0.00100	
1,2-Dichloroethane	ND		0.00100	
1,1-Dichloroethene	ND		0.00100	
trans-1,2-Dichloroethene	ND		0.00100	
1,2-Dichloropropane	ND		0.00100	
1,1-Dichloropropene	ND		0.00100	
1,3-Dichloropropene	ND		0.00100	
cis-1,3-Dichloropropene	ND		0.00100	
trans-1,3-Dichloropropene	ND		0.00100	
2,2-Dichloropropane	ND		0.00100	



Method Blank (MB)

(MB) 03/04/16 01:12

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	¹ Cp
Di-isopropyl ether	ND		0.00100	
Ethylbenzene	ND		0.00100	
Hexachloro-1,3-butadiene	ND		0.00100	
Isopropylbenzene	ND		0.00100	
p-Isopropyltoluene	ND		0.00100	
2-Butanone (MEK)	ND		0.0100	
Methylene Chloride	ND		0.00500	
4-Methyl-2-pentanone (MIBK)	ND		0.0100	
Methyl tert-butyl ether	ND		0.00100	
Naphthalene	ND		0.00500	
n-Propylbenzene	ND		0.00100	
Styrene	ND		0.00100	
1,1,2-Tetrachloroethane	ND		0.00100	
1,1,2,2-Tetrachloroethane	ND		0.00100	
Toluene	ND		0.00500	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	
1,2,3-Trichlorobenzene	ND		0.00100	
1,2,4-Trichlorobenzene	ND		0.00100	
1,1,1-Trichloroethane	ND		0.00100	
1,1,2-Trichloroethane	ND		0.00100	
Trichlorofluoromethane	ND		0.00500	
1,2,3-Trichloropropane	ND		0.00250	
1,2,3-Trimethylbenzene	ND		0.00100	
1,2,4-Trimethylbenzene	ND		0.00100	
1,3,5-Trimethylbenzene	ND		0.00100	
Vinyl chloride	ND		0.00100	
Xylenes, Total	ND		0.00300	
(S) Toluene-d8	101		88.7-115	
(S) Dibromofluoromethane	101		76.3-123	
(S) 4-Bromofluorobenzene	102		69.7-129	

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

(LCS) 03/03/16 23:27 • (LCSD) 03/03/16 23:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %



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

(LCS) 03/03/16 23:27 • (LCSD) 03/03/16 23:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.125	0.0534	0.0557	42.8	44.5	25.3-178			4.09	22.9
Acrylonitrile	0.125	0.154	0.162	123	130	57.8-143			5.25	20
Benzene	0.0250	0.0270	0.0280	108	112	72.6-120			3.40	20
Bromobenzene	0.0250	0.0241	0.0244	96.6	97.8	80.3-115			1.24	20
Bromodichloromethane	0.0250	0.0225	0.0230	90.0	92.1	75.3-119			2.30	20
Bromoform	0.0250	0.0215	0.0224	86.0	89.5	69.1-135			3.93	20
Bromomethane	0.0250	0.0212	0.0226	85.0	90.2	23.0-191			6.04	20
n-Butylbenzene	0.0250	0.0280	0.0280	112	112	74.2-134			0.130	20
sec-Butylbenzene	0.0250	0.0255	0.0254	102	102	77.8-129			0.550	20
tert-Butylbenzene	0.0250	0.0251	0.0252	100	101	77.2-129			0.500	20
Carbon tetrachloride	0.0250	0.0231	0.0239	92.2	95.5	69.4-129			3.53	20
Chlorobenzene	0.0250	0.0241	0.0243	96.3	97.2	78.9-122			0.960	20
Chlorodibromomethane	0.0250	0.0223	0.0224	89.3	89.6	76.4-126			0.340	20
Chloroethane	0.0250	0.0215	0.0225	86.0	90.0	47.2-147			4.57	20
2-Chloroethyl vinyl ether	0.125	0.144	0.148	115	119	16.7-162			2.91	23.7
Chloroform	0.0250	0.0275	0.0284	110	114	73.3-122			2.99	20
Chloromethane	0.0250	0.0302	0.0313	121	125	53.1-135			3.52	20
2-Chlorotoluene	0.0250	0.0242	0.0242	96.9	96.9	74.6-127			0.0600	20
4-Chlorotoluene	0.0250	0.0258	0.0257	103	103	79.5-123			0.500	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0222	0.0234	89.0	93.4	64.9-131			4.86	20
1,2-Dibromoethane	0.0250	0.0228	0.0232	91.1	93.0	67.2-121			2.05	20
Dibromomethane	0.0250	0.0237	0.0243	94.9	97.2	78.5-117			2.33	20
1,2-Dichlorobenzene	0.0250	0.0257	0.0265	103	106	83.6-119			3.15	20
1,3-Dichlorobenzene	0.0250	0.0255	0.0251	102	101	75.9-129			1.33	20
1,4-Dichlorobenzene	0.0250	0.0245	0.0248	98.0	99.2	81.0-115			1.23	20
Dichlorodifluoromethane	0.0250	0.0288	0.0296	115	119	50.9-139			3.04	20
1,1-Dichloroethane	0.0250	0.0275	0.0285	110	114	71.7-125			3.36	20
1,2-Dichloroethane	0.0250	0.0234	0.0245	93.5	98.2	67.2-121			4.82	20
1,1-Dichloroethene	0.0250	0.0221	0.0224	88.4	89.5	60.6-133			1.21	20
trans-1,2-Dichloroethene	0.0250	0.0264	0.0272	106	109	70.7-124			2.67	20
1,2-Dichloropropane	0.0250	0.0264	0.0273	106	109	76.9-123			3.21	20
1,1-Dichloropropene	0.0250	0.0287	0.0294	115	118	71.2-126			2.46	20
1,3-Dichloropropane	0.0250	0.0248	0.0253	99.0	101	80.3-114			2.18	20
cis-1,3-Dichloropropene	0.0250	0.0251	0.0257	100	103	77.3-123			2.41	20
trans-1,3-Dichloropropene	0.0250	0.0245	0.0253	98.2	101	73.0-127			2.84	20
2,2-Dichloropropane	0.0250	0.0233	0.0241	93.4	96.3	61.9-132			3.07	20

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



L820216-19

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

(LCS) 03/03/16 23:27 • (LCSD) 03/03/16 23:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Di-isopropyl ether	0.0250	0.0283	0.0295	113	118	67.2-131			4.17	20
Ethylbenzene	0.0250	0.0248	0.0250	99.3	100	78.6-124			0.790	20
Hexachloro-1,3-butadiene	0.0250	0.0288	0.0292	115	117	69.2-136			1.37	20
Isopropylbenzene	0.0250	0.0250	0.0249	99.8	99.7	79.4-126			0.160	20
p-Isopropyltoluene	0.0250	0.0259	0.0254	103	101	75.4-132			1.99	20
2-Butanone (MEK)	0.125	0.0919	0.0983	73.5	78.6	44.5-154			6.75	21.3
Methylene Chloride	0.0250	0.0290	0.0299	116	120	68.2-119	J4		3.18	20
4-Methyl-2-pentanone (MIBK)	0.125	0.122	0.127	97.7	101	61.1-138			3.49	20
Methyl tert-butyl ether	0.0250	0.0239	0.0252	95.7	101	70.2-122			5.34	20
Naphthalene	0.0250	0.0232	0.0243	92.8	97.4	69.9-132			4.80	20
n-Propylbenzene	0.0250	0.0261	0.0261	104	104	80.2-124			0.0800	20
Styrene	0.0250	0.0256	0.0257	102	103	79.4-124			0.310	20
1,1,1,2-Tetrachloroethane	0.0250	0.0234	0.0237	93.4	95.0	76.7-127			1.64	20
1,1,2,2-Tetrachloroethane	0.0250	0.0226	0.0234	90.5	93.6	78.8-124			3.30	20
Toluene	0.0250	0.0254	0.0255	102	102	76.7-116			0.430	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0227	0.0229	90.6	91.8	62.6-138			1.24	20
1,2,3-Trichlorobenzene	0.0250	0.0275	0.0282	110	113	72.5-137			2.29	20
1,2,4-Trichlorobenzene	0.0250	0.0296	0.0301	118	120	74.0-137			1.75	20
1,1,1-Trichloroethane	0.0250	0.0238	0.0244	95.2	97.5	69.9-127			2.40	20
1,1,2-Trichloroethane	0.0250	0.0219	0.0228	87.8	91.3	81.9-119			3.98	20
Trichlorofluoromethane	0.0250	0.0179	0.0184	71.4	73.6	51.5-151			2.93	20
1,2,3-Trichloropropane	0.0250	0.0228	0.0232	91.3	92.8	74.0-124			1.55	20
1,2,3-Trimethylbenzene	0.0250	0.0242	0.0247	96.9	98.9	79.4-118			2.12	20
1,2,4-Trimethylbenzene	0.0250	0.0252	0.0250	101	100	77.1-124			0.830	20
1,3,5-Trimethylbenzene	0.0250	0.0244	0.0246	97.7	98.3	79.0-125			0.670	20
Vinyl chloride	0.0250	0.0260	0.0266	104	106	58.4-134			2.23	20
Xylenes, Total	0.0750	0.0738	0.0741	98.5	98.8	78.1-123			0.360	20
(S) Toluene-d8				102	100	88.7-115				
(S) Dibromofluoromethane				100	102	76.3-123				
(S) 4-Bromofluorobenzene				99.5	98.0	69.7-129				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L820470-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 03:08 • (MS) 03/04/16 02:05 • (MSD) 03/04/16 02:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %



L820216-19

L820470-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 03:08 • (MS) 03/04/16 02:05 • (MSD) 03/04/16 02:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits
Acetone	0.125	0.0166	0.275	0.268	41.4	40.1	5	5.00-182			2.84	31.5
Acrylonitrile	0.125	ND	0.750	0.742	120	119	5	39.3-152			1.12	27.2
Benzene	0.0250	0.000139	0.116	0.119	92.3	94.9	5	47.8-131			2.83	22.8
Bromobenzene	0.0250	ND	0.113	0.115	90.4	91.7	5	40.0-130			1.34	27.4
Bromodichloromethane	0.0250	ND	0.104	0.108	83.3	86.6	5	50.6-128			3.90	22.8
Bromoform	0.0250	ND	0.106	0.105	84.7	84.3	5	43.3-139			0.500	25.9
Bromomethane	0.0250	ND	0.0720	0.0759	57.6	60.7	5	5.00-189			5.21	26.7
n-Butylbenzene	0.0250	ND	0.123	0.127	98.1	101	5	23.6-146			3.10	39.2
sec-Butylbenzene	0.0250	ND	0.115	0.118	92.2	94.2	5	31.0-142			2.23	34.7
tert-Butylbenzene	0.0250	ND	0.116	0.118	93.1	94.5	5	36.9-142			1.54	31.7
Carbon tetrachloride	0.0250	ND	0.101	0.106	80.6	84.6	5	46.0-140			4.78	27.2
Chlorobenzene	0.0250	ND	0.109	0.112	87.4	89.5	5	44.1-134			2.29	25.7
Chlorodibromomethane	0.0250	ND	0.105	0.108	83.8	86.1	5	49.7-134			2.75	24
Chloroethane	0.0250	ND	0.0814	0.0841	65.1	67.3	5	5.00-164			3.33	28.4
2-Chloroethyl vinyl ether	0.125	ND	0.675	0.678	108	108	5	5.00-159			0.460	40
Chloroform	0.0250	ND	0.127	0.131	102	105	5	51.2-133			2.87	22.8
Chloromethane	0.0250	ND	0.0935	0.0960	74.8	76.8	5	31.4-141			2.63	24.6
2-Chlorotoluene	0.0250	ND	0.113	0.114	90.4	91.5	5	36.1-137			1.26	28.9
4-Chlorotoluene	0.0250	ND	0.120	0.121	95.8	96.4	5	35.4-137			0.620	29.8
1,2-Dibromo-3-Chloropropane	0.0250	ND	0.111	0.111	88.8	88.5	5	40.4-138			0.330	30.8
1,2-Dibromoethane	0.0250	ND	0.106	0.107	84.5	85.3	5	50.2-133			1.03	23.6
Dibromomethane	0.0250	ND	0.107	0.109	85.7	87.1	5	52.4-128			1.70	23
1,2-Dichlorobenzene	0.0250	ND	0.124	0.125	98.9	100	5	34.6-139			1.48	29.9
1,3-Dichlorobenzene	0.0250	ND	0.117	0.119	93.8	95.1	5	28.4-142			1.32	31.2
1,4-Dichlorobenzene	0.0250	ND	0.115	0.115	92.0	92.2	5	35.0-133			0.170	31.1
Dichlorodifluoromethane	0.0250	ND	0.0893	0.0921	71.4	73.7	5	31.2-144			3.09	30.2
1,1-Dichloroethane	0.0250	ND	0.124	0.127	99.0	102	5	49.1-136			2.71	22.9
1,2-Dichloroethane	0.0250	ND	0.106	0.109	85.0	87.3	5	47.1-129			2.71	22.7
1,1-Dichloroethene	0.0250	ND	0.0860	0.0876	68.8	70.1	5	36.1-142			1.81	25.6
trans-1,2-Dichloroethene	0.0250	ND	0.102	0.104	81.4	83.3	5	43.8-135			2.24	24.8
1,2-Dichloropropane	0.0250	ND	0.122	0.125	97.6	100	5	50.3-134			2.65	22.7
1,1-Dichloropropene	0.0250	ND	0.114	0.119	91.3	95.4	5	43.0-137			4.36	26.4
1,3-Dichloropropane	0.0250	ND	0.116	0.119	92.4	95.0	5	51.4-127			2.80	23.1
cis-1,3-Dichloropropene	0.0250	ND	0.113	0.117	90.4	93.5	5	48.4-134			3.40	23.6
trans-1,3-Dichloropropene	0.0250	ND	0.113	0.117	90.0	93.8	5	46.6-135			4.13	25.3
2,2-Dichloropropane	0.0250	ND	0.112	0.114	89.6	91.2	5	45.2-141			1.74	26.8

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



L820470-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 03:08 • (MS) 03/04/16 02:05 • (MSD) 03/04/16 02:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Di-isopropyl ether	0.0250	ND	0.135	0.138	108	110	5	46.7-140			1.95	23.5
Ethylbenzene	0.0250	ND	0.110	0.114	88.1	91.3	5	44.8-135			3.59	26.9
Hexachloro-1,3-butadiene	0.0250	ND	0.117	0.125	93.8	100	5	10.0-149			6.40	40
Isopropylbenzene	0.0250	ND	0.114	0.117	91.1	93.4	5	41.9-139			2.49	29.3
p-Isopropyltoluene	0.0250	ND	0.114	0.117	91.4	93.8	5	27.3-146			2.65	35.1
2-Butanone (MEK)	0.125	0.00169	0.466	0.459	74.2	73.2	5	23.9-170			1.43	28.3
Methylene Chloride	0.0250	ND	0.122	0.125	98.0	99.8	5	46.7-125			1.90	22.2
4-Methyl-2-pentanone (MIBK)	0.125	ND	0.621	0.603	99.4	96.5	5	42.4-146			2.95	26.7
Methyl tert-butyl ether	0.0250	ND	0.116	0.117	92.6	93.5	5	50.4-131			1.03	24.8
Naphthalene	0.0250	0.000809	0.115	0.116	91.3	92.0	5	18.4-145			0.690	34
n-Propylbenzene	0.0250	ND	0.119	0.121	95.3	96.6	5	35.2-139			1.34	31.9
Styrene	0.0250	ND	0.118	0.119	94.1	95.0	5	39.7-137			0.970	28.2
1,1,2-Tetrachloroethane	0.0250	ND	0.112	0.115	89.9	91.6	5	48.8-136			1.89	25.5
1,1,2,2-Tetrachloroethane	0.0250	ND	0.116	0.114	92.8	91.0	5	45.7-140			2.04	26.4
Toluene	0.0250	0.000221	0.110	0.113	87.7	90.2	5	47.8-127			2.84	24.3
1,1,2-Trichlorotrifluoroethane	0.0250	ND	0.0941	0.0966	75.3	77.3	5	35.7-146			2.64	28.8
1,2,3-Trichlorobenzene	0.0250	0.000789	0.127	0.129	101	103	5	10.0-150			1.21	38.5
1,2,4-Trichlorobenzene	0.0250	ND	0.135	0.137	108	110	5	10.0-153			1.34	39.3
1,1,1-Trichloroethane	0.0250	ND	0.108	0.110	86.4	88.2	5	49.0-138			2.11	25.3
1,1,2-Trichloroethane	0.0250	ND	0.108	0.108	86.2	86.6	5	52.3-132			0.470	23.4
Trichlorofluoromethane	0.0250	ND	0.0787	0.0805	63.0	64.4	5	12.8-169			2.30	29.7
1,2,3-Trichloropropane	0.0250	ND	0.113	0.113	90.7	90.3	5	44.4-138			0.460	26.3
1,2,3-Trimethylbenzene	0.0250	ND	0.114	0.116	91.4	92.8	5	41.0-133			1.61	27.6
1,2,4-Trimethylbenzene	0.0250	ND	0.116	0.116	92.8	92.8	5	32.9-139			0.0300	30.6
1,3,5-Trimethylbenzene	0.0250	ND	0.112	0.113	89.3	90.6	5	37.1-138			1.46	30.6
Vinyl chloride	0.0250	ND	0.0883	0.0900	70.6	72.0	5	32.0-146			1.88	26.3
Xylenes, Total	0.0750	ND	0.332	0.337	88.4	90.0	5	42.7-135			1.76	26.6
(S) Toluene-d8					102	101		88.7-115				
(S) Dibromofluoromethane					102	101		76.3-123				
(S) 4-Bromofluorobenzene					100	100		69.7-129				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) 03/05/16 01:02

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
cis-1,2-Dichloroethene	ND		0.00100
Tetrachloroethene	ND		0.00100
Trichloroethene	ND		0.00100

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al

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

(LCS) 03/04/16 23:39 • (LCSD) 03/04/16 23:59

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
cis-1,2-Dichloroethene	0.0250	0.0259	0.0270	104	108	76.1-121			3.98	20
Tetrachloroethene	0.0250	0.0243	0.0239	97.4	95.5	71.1-133			1.95	20
Trichloroethene	0.0250	0.0246	0.0247	98.4	98.6	77.2-122			0.180	20

⁹Sc

L821381-02 Original Sample (OS) • Matrix Spike (MS)

(OS) 03/05/16 02:52 • (MS) 03/05/16 01:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>
cis-1,2-Dichloroethene	0.0250	ND	0.0838	67.0	5	50.6-133	
Tetrachloroethene	0.0250	ND	0.0419	33.5	5	37.7-140	J6
Trichloroethene	0.0250	ND	0.0616	49.2	5	48.0-132	



Method Blank (MB)

(MB) 03/08/16 06:33

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
cis-1,2-Dichloroethene	ND		0.00100
Tetrachloroethene	ND		0.00100

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Method Blank (MB)

(MB) 03/04/16 05:15

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	1 Cp
Anthracene	ND		0.00600	
Acenaphthene	ND		0.00600	
Acenaphthylene	ND		0.00600	
Benzo(a)anthracene	ND		0.00600	
Benzo(a)pyrene	ND		0.00600	
Benzo(b)fluoranthene	ND		0.00600	
Benzo(g,h,i)perylene	ND		0.00600	
Benzo(k)fluoranthene	ND		0.00600	
Chrysene	ND		0.00600	
Dibenz(a,h)anthracene	ND		0.00600	
Fluoranthene	ND		0.00600	
Fluorene	ND		0.00600	
Indeno(1,2,3-cd)pyrene	ND		0.00600	
Naphthalene	ND		0.0200	
Phenanthrene	ND		0.00600	
Pyrene	ND		0.00600	
1-Methylnaphthalene	ND		0.0200	
2-Methylnaphthalene	ND		0.0200	
2-Chloronaphthalene	ND		0.0200	
(S) p-Terphenyl-d14	72.3		32.2-131	
(S) Nitrobenzene-d5	73.5		22.1-146	
(S) 2-Fluorobiphenyl	76.3		40.6-122	

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

(LCS) 03/04/16 04:31 • (LCSD) 03/04/16 04:53

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0800	0.0703	0.0699	87.8	87.4	50.3-130			0.540	20
Acenaphthene	0.0800	0.0678	0.0682	84.8	85.3	52.4-120			0.570	20
Acenaphthylene	0.0800	0.0705	0.0696	88.2	87.0	49.6-120			1.31	20
Benzo(a)anthracene	0.0800	0.0723	0.0720	90.4	90.0	46.7-125			0.470	20
Benzo(a)pyrene	0.0800	0.0727	0.0720	90.9	90.0	42.3-119			0.960	20
Benzo(b)fluoranthene	0.0800	0.0731	0.0737	91.4	92.1	43.6-124			0.800	20
Benzo(g,h,i)perylene	0.0800	0.0665	0.0663	83.2	82.8	45.1-132			0.410	20
Benzo(k)fluoranthene	0.0800	0.0670	0.0659	83.8	82.4	46.1-131			1.65	20



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

(LCS) 03/04/16 04:31 • (LCSD) 03/04/16 04:53

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
Chrysene	0.0800	0.0687	0.0690	85.9	86.2	49.5-131			0.420	20
Dibenz(a,h)anthracene	0.0800	0.0700	0.0697	87.5	87.1	44.8-133			0.480	20
Fluoranthene	0.0800	0.0673	0.0673	84.1	84.2	49.3-128			0.110	20
Fluorene	0.0800	0.0659	0.0661	82.4	82.6	50.6-121			0.310	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0699	0.0702	87.4	87.7	46.1-135			0.370	20
Naphthalene	0.0800	0.0668	0.0667	83.5	83.4	49.6-115			0.160	20
Phenanthrene	0.0800	0.0662	0.0659	82.7	82.4	48.8-121			0.430	20
Pyrene	0.0800	0.0754	0.0747	94.2	93.4	44.7-130			0.860	20
1-Methylnaphthalene	0.0800	0.0666	0.0683	83.3	85.4	50.6-122			2.53	20
2-Methylnaphthalene	0.0800	0.0676	0.0679	84.5	84.9	50.4-120			0.480	20
2-Chloronaphthalene	0.0800	0.0683	0.0674	85.3	84.3	53.9-121			1.26	20
(S) p-Terphenyl-d14				79.6	76.0	32.2-131				
(S) Nitrobenzene-d5				82.7	77.0	22.1-146				
(S) 2-Fluorobiphenyl				84.6	79.8	40.6-122				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820216-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 05:37 • (MS) 03/04/16 05:58 • (MSD) 03/04/16 06:20

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits
Anthracene	0.0800	0.000702	0.0740	0.0793	91.6	98.3	1	26.5-141		6.93	21.2
Acenaphthene	0.0800	ND	0.0692	0.0744	86.5	93.0	1	31.9-130		7.22	20
Acenaphthylene	0.0800	ND	0.0753	0.0799	94.1	99.9	1	33.7-129		6.04	20
Benzo(a)anthracene	0.0800	0.00214	0.0805	0.0842	98.0	103	1	18.3-136		4.47	24.6
Benzo(a)pyrene	0.0800	0.00206	0.0790	0.0832	96.2	101	1	16.9-135		5.18	25.2
Benzo(b)fluoranthene	0.0800	0.00585	0.0788	0.0839	91.2	97.6	1	10.0-134		6.27	30.9
Benzo(g,h,i)perylene	0.0800	0.00225	0.0622	0.0687	74.9	83.0	1	14.1-140		9.96	25.5
Benzo(k)fluoranthene	0.0800	0.00140	0.0707	0.0731	86.6	89.6	1	18.2-138		3.39	25.6
Chrysene	0.0800	0.00262	0.0742	0.0763	89.5	92.0	1	17.1-145		2.71	24.2
Dibenz(a,h)anthracene	0.0800	0.000804	0.0633	0.0711	78.1	87.9	1	18.5-138		11.6	24.3
Fluoranthene	0.0800	0.00363	0.0792	0.0787	94.5	93.9	1	15.4-144		0.600	27.1
Fluorene	0.0800	ND	0.0689	0.0727	86.2	90.9	1	23.5-136		5.39	20
Indeno(1,2,3-cd)pyrene	0.0800	0.00206	0.0649	0.0720	78.6	87.5	1	14.5-142		10.4	25.8
Naphthalene	0.0800	ND	0.0669	0.0721	83.7	90.1	1	29.2-128		7.37	20
Phenanthrene	0.0800	0.000848	0.0690	0.0723	85.2	89.4	1	20.1-134		4.67	23.6
Pyrene	0.0800	0.00249	0.0830	0.0847	101	103	1	11.0-148		2.02	26.1



L820216-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 05:37 • (MS) 03/04/16 05:58 • (MSD) 03/04/16 06:20

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
1-Methylnaphthalene	0.0800	ND	0.0688	0.0741	86.0	92.6	1	28.4-137			7.40	20
2-Methylnaphthalene	0.0800	ND	0.0690	0.0742	86.2	92.7	1	26.6-137			7.27	20
2-Chloronaphthalene	0.0800	ND	0.0685	0.0735	85.6	91.9	1	38.6-126			7.01	20
(S) <i>p</i> -Terphenyl- <i>d</i> 14					75.4	73.4		32.2-131				
(S) Nitrobenzene- <i>d</i> 5					84.7	88.1		22.1-146				
(S) 2-Fluorobiphenyl					82.0	84.6		40.6-122				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820216-21,22,23,24,25,26,27,28,29,30,31

Method Blank (MB)

(MB) 03/04/16 03:22

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	¹ Cp
Anthracene	ND		0.00600	
Acenaphthene	ND		0.00600	
Acenaphthylene	ND		0.00600	
Benzo(a)anthracene	ND		0.00600	
Benzo(a)pyrene	ND		0.00600	
Benzo(b)fluoranthene	ND		0.00600	
Benzo(g,h,i)perylene	ND		0.00600	
Benzo(k)fluoranthene	ND		0.00600	
Chrysene	ND		0.00600	
Dibenz(a,h)anthracene	ND		0.00600	
Fluoranthene	ND		0.00600	
Fluorene	ND		0.00600	
Indeno(1,2,3-cd)pyrene	ND		0.00600	
Naphthalene	ND		0.0200	
Phenanthrene	ND		0.00600	
Pyrene	ND		0.00600	
1-Methylnaphthalene	ND		0.0200	
2-Methylnaphthalene	ND		0.0200	
2-Chloronaphthalene	ND		0.0200	
(S) p-Terphenyl-d14	79.7		32.2-131	
(S) Nitrobenzene-d5	84.2		22.1-146	
(S) 2-Fluorobiphenyl	89.6		40.6-122	

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

(LCS) 03/04/16 02:40 • (LCSD) 03/04/16 03:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0800	0.0824	0.0846	103	106	50.3-130			2.71	20
Acenaphthene	0.0800	0.0773	0.0800	96.6	100	52.4-120			3.47	20
Acenaphthylene	0.0800	0.0768	0.0795	96.0	99.4	49.6-120			3.44	20
Benzo(a)anthracene	0.0800	0.0777	0.0784	97.2	98.0	46.7-125			0.820	20
Benzo(a)pyrene	0.0800	0.0806	0.0832	101	104	42.3-119			3.09	20
Benzo(b)fluoranthene	0.0800	0.0780	0.0804	97.4	100	43.6-124			3.07	20
Benzo(g,h,i)perylene	0.0800	0.0794	0.0819	99.3	102	45.1-132			3.13	20
Benzo(k)fluoranthene	0.0800	0.0785	0.0794	98.2	99.3	46.1-131			1.15	20



L820216-21,22,23,24,25,26,27,28,29,30,31

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

(LCS) 03/04/16 02:40 • (LCSD) 03/04/16 03:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chrysene	0.0800	0.0771	0.0841	96.4	105	49.5-131			8.72	20
Dibenz(a,h)anthracene	0.0800	0.0782	0.0818	97.8	102	44.8-133			4.51	20
Fluoranthene	0.0800	0.0787	0.0819	98.4	102	49.3-128			3.97	20
Fluorene	0.0800	0.0752	0.0780	94.0	97.5	50.6-121			3.61	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0795	0.0813	99.4	102	46.1-135			2.25	20
Naphthalene	0.0800	0.0769	0.0804	96.2	100	49.6-115			4.41	20
Phenanthrene	0.0800	0.0776	0.0795	97.0	99.3	48.8-121			2.41	20
Pyrene	0.0800	0.0821	0.0856	103	107	44.7-130			4.16	20
1-Methylnaphthalene	0.0800	0.0801	0.0827	100	103	50.6-122			3.16	20
2-Methylnaphthalene	0.0800	0.0783	0.0814	97.9	102	50.4-120			3.82	20
2-Chloronaphthalene	0.0800	0.0759	0.0769	94.8	96.1	53.9-121			1.39	20
(S) p-Terphenyl-d14				79.2	89.6	32.2-131				
(S) Nitrobenzene-d5				83.2	94.3	22.1-146				
(S) 2-Fluorobiphenyl				87.0	97.2	40.6-122				

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

L820307-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 04:24 • (MS) 03/04/16 04:45 • (MSD) 03/04/16 05:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %	
Anthracene	0.0800	0.0218	0.0903	0.107	85.6	107	1	26.5-141		17.1	21.2	
Acenaphthene	0.0800	0.00668	0.0810	0.0870	92.9	100	1	31.9-130		7.06	20	
Acenaphthylene	0.0800	0.00280	0.0761	0.0788	91.7	95.0	1	33.7-129		3.38	20	
Benzo(a)anthracene	0.0800	0.0195	0.103	0.121	104	126	1	18.3-136		15.9	24.6	
Benzo(a)pyrene	0.0800	0.0128	0.0889	0.101	95.0	111	1	16.9-135		13.0	25.2	
Benzo(b)fluoranthene	0.0800	0.00885	0.0871	0.0947	97.8	107	1	10.0-134		8.35	30.9	
Benzo(g,h,i)perylene	0.0800	0.0136	0.0841	0.0875	88.1	92.3	1	14.1-140		3.91	25.5	
Benzo(k)fluoranthene	0.0800	0.00305	0.0695	0.0756	83.1	90.6	1	18.2-138		8.34	25.6	
Chrysene	0.0800	0.0108	0.0889	0.0975	97.6	108	1	17.1-145		9.23	24.2	
Dibenz(a,h)anthracene	0.0800	0.00130	0.0675	0.0654	82.8	80.2	1	18.5-138		3.19	24.3	
Fluoranthene	0.0800	0.0178	0.104	0.122	108	131	1	15.4-144		16.2	27.1	
Fluorene	0.0800	0.0152	0.0925	0.108	96.7	116	1	23.5-136		15.1	20	
Indeno(1,2,3-cd)pyrene	0.0800	0.00459	0.0720	0.0709	84.3	82.8	1	14.5-142		1.63	25.8	
Naphthalene	0.0800	0.189	0.300	0.456	139	334	1	29.2-128	<u>J5</u>	<u>J3 J5</u>	41.2	20
Phenanthrene	0.0800	0.0371	0.121	0.148	105	139	1	20.1-134	<u>J5</u>		19.9	23.6
Pyrene	0.0800	0.0407	0.128	0.148	109	134	1	11.0-148			14.8	26.1



L820216-21,22,23,24,25,26,27,28,29,30,31

L820307-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 04:24 • (MS) 03/04/16 04:45 • (MSD) 03/04/16 05:06

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits
1-Methylnaphthalene	0.0800	0.194	0.316	0.469	152	344	1	28.4-137	J5	J3 J5	39.1	20
2-Methylnaphthalene	0.0800	0.332	0.430	0.671	122	424	1	26.6-137		J3 J5	43.9	20
2-Chloronaphthalene	0.0800	ND	0.0703	0.0716	87.8	89.4	1	38.6-126			1.81	20
(S) <i>p</i> -Terphenyl- <i>d</i> 14					83.2	78.7		32.2-131				
(S) Nitrobenzene- <i>d</i> 5					87.0	95.2		22.1-146				
(S) 2-Fluorobiphenyl					90.8	88.1		40.6-122				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

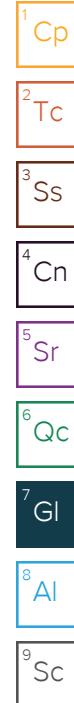


Abbreviations and Definitions

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

Qualifier Description

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.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.





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
Connecticut	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 ¹⁴	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.**



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

A & W Professional Services, PLLC

 7900-D Stevens Mill Road, # 120
 Matthews, NC 28104

 Report to:
Mr. Austin Hewitt

 Project Description: *Soil Delination*
 Phone: 704-877-3541 Client Project #
 Fax:

 Collected by (print): *Scott Stehlk* / Austin Hewitt
 Site/Facility ID #: BROOKLYN, NY

 Collected by (signature): *Scott Stehlk*

Immediately

Packed on Ice N Y

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

 City/State
 Collected: Brooklyn
 NY

 Lab Project #
AWPROMNC-BROOKLYN

P.O. #

 Date Results Needed
 Email? No Yes
 FAX? No Yes

						Analysis / Container / Preservative						Chain of Custody					
						Diss. RCRA8 Metals 500mlHDPE-NoPres	PAHSIMLVID 40mlAmb-NoPres-WT	RCRA8 Metals 2ozClr-NoPres	SV8270PAHSIMD 4ozAmb-NoPres	Screen for V8260C 2ozClr-NoPres	TS 2ozClr-NoPres	V8260C (MeOH) 40ml/NaHSO4/Syr/MeOH	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl			Page ____ of ____
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. Cntrs											
DS-1A	G	SS	3'	2/24/16	245	7	X	X	X	X	X	X	X				
DS-1B		SS	6'		300	7	X	X	X	X	X	X	X	-4			
DS-1C		SS	9'		310	7	X	X	X	X	X	X	X	-5			
DS-2A		SS	3'		315	12	X	X	X	X	*	*	*	-6			
DS-2B		SS	9'		325	15	X	X	X	X	*	X	X	-7			
DS-3A		SS	3'		340	7	X	X	X	X	X	X	X	-8			
DS-3B		SS	6'		355	7	X	X	X	X	X	X	X	-9			
DS-3C		SS	9'		400	7	X	X	X	X	X	X	X	-10			
DS-4A		SS	3'		435	7	X	X	X	X	X	X	X				
DS-4C		SS	6'		480	7	X	X	X	X	X	X	X				

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

6617 3614 2052 / 6617 3614 2007 / 6617 3614 2041

pH _____ Temp _____

Flow _____ Other _____

Hold #

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/>	Condition: <i>64</i> (lab use only) <i>JW7</i>
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: <i>3.2</i> °C Bottles Received: <i>167+313</i>	SOCL Seal Intact: <i>Y N NA</i>
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: <i>2-26-16</i> Time: <i>900</i>	pH Checked: <i>NCF: X</i>

A & W Professional Services, PLLC

 7900-D Stevens Mill Road, # 120
 Matthews, NC 28104

Billing Information:

 Mr. Austin Hewitt
 7900-D Stevens Mill Road, # 120
 Matthews, NC 28104

 Report to:
Mr. Austin Hewitt

Email To: austin@awprofessionalservices.com

 Project Description: *Soil Delineation*

 City/State *Brooklyn*
 Collected: *N.Y.*

Phone: 704-877-3541

Client Project #

 Lab Project #
AWPROMNC-BROOKLYN

Fax:

Collected by (print):

Scott Stetlik / Austin Hewitt

 Site/Facility ID #
BROOKLYN, NY

P.O. #

Collected by (signature):

Scott Stetlik

Rush? (Lab MUST Be Notified)

Same Day 200%
 Next Day 100%
 Two Day 50%
 Three Day 25%

Date Results Needed

 Email? No Yes
 FAX? No Yes

 No. of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time		Diss. RCRA8 Metals 500mlHDPE-NoPres	PAHSIMLVID 40mlAmb-NoPres-WT	RCRA8 Metals 2ozCli-NoPres	SV8270PAHSIMD 4ozAmb-NoPres	Screen for V8260C 2ozClr-NoPres	TS 2ozClr-NoPres	V826CC (MeOH) 40ml/NaHSO4/Syr/MeOH	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	Rem./Contaminant	Sample # (lab only)
DS-5A	G	SS	3'	2/24/16	400	7		X	X	X	X	X	X				-11
DS-5B		SS	6'		450	7		X	X	X	X	X	X				-12
DS-5C		SS	9"		505	7		X	X	X	X	X	X				-13
DS-6A		SS	3'		510	7		X	X	X	X	X	X				-14
DS-6B		SS	6'		520	7		X	X	X	X	X	X				-15
DS-7A		SS	3'		530	7		X	X	X	X	X	X				-16
DS-7B		SS	6'	↓	540	7		X	X	X	X	X	X				-17
DS-8A		SS	3"	2/25/16	950	7		X	X	X	X	X	X				-18
DS-8B		SS	6"		1020	7		X	X	X	X	X	X				-19
DS-8C		SS	9"	↓	1035	7		X	X	X	X	X	X				-20

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Hold #

 Relinquished by : (Signature)
Scott Stetlik

 Date: *2/25/16* Time: *530*

Received by: (Signature)

 Samples returned via: UPS
 FedEx Courier

 Condition: *as* (lab use only) *JW-7*
 COC Seal Intact: Y N NA

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

 Temp: *3.2* °C Bottles Received: *167+3TB*

 pH Checked: NSF

Relinquished by : (Signature)

Date:

Time:

 Received for lab by: (Signature)
Long Orr

 Date: *2-26-16* Time: *900*

Chain of Custody Page ____ of __



YOUR LAB OF CHOICE

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

 L# *L826216*

Table #

 Acctnum: **AWPROMNC**

 Template: **T109915**

 Prelogin: **P542388**

TSR: 350 Jimmy Hunt

 PB: *2/19/16 MFB*

 Shipped/Via: **FedEX Ground**

Rem./Contaminant Sample # (lab only)

A & W Professional Services, PLLC 7900-D Stevens Mill Road, # 120 Matthews, NC 28104				Billing Information: Mr. Austin Hewitt 7900-D Stevens Mill Road, # 120 Matthews, NC 28104				Analysis / Container / Preservative				Chain of Custody																					
Report to: Mr. Austin Hewitt				Email To: austin@awprofessionalservices.com								Page ___ of ___																					
Project Description: <i>Soil Delineation</i>				City/State Collected: <i>Brooklyn NY</i>								 YOUR LAB OF CHOICE																					
Phone: 704-877-3541 Fax:		Client Project #		Lab Project # AWPROMNC-BROOKLYN								12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859																					
Collected by (print): <i>Scott Stehlilc/Hewitt</i>		Site/Facility ID # BROOKLYN, NY		P.O. #								<i>L# L820214</i>																					
Collected by (signature): <i>Scott Stehlilc</i>		<i>Rush?</i> (Lab MUST Be Notified)		Date Results Needed								Table #																					
Immediately Packed on Ice N <u> </u> Y <u> </u>		Same Day 200% Next Day 100% Two Day 50% Three Day 25%		Email? <u> </u> No <u> </u> Yes FAX? <u> </u> No <u> </u> Yes		No. of Cntrs							Acctnum: AWPROMNC Template: T109915 Prelogin: P542388 TSR: 350 - Jimmy Hunt PB: <i>2/9/10</i>																				
														Shipped Via: FEDEX Ground																			
Sample ID		Comp/Grab		Matrix *		Depth		Date		Time		Diss. RCRA8 Metals 500mlHDPE-NoPres		PAHSIMLVID 40mlAmb-NoPres-WT		RCRA8 Metals 2ozClr-NoPres		SV8270PAHSIMD 4ozAmb-NoPres		Screen for V8260C 2ozClr-NoPres		TS 2ozClr-NoPres		V8260C (MeOH) 40ml/NaHSO4/Syr/MeOH		V8260C 40ml/NaHSO4/Syr/MeOH		V8260C 40mlAmb-HCl		Rem./Contaminant		Sample # (lab only)	
<i>DS-9A</i>		<i>G</i>		<i>SS</i>		<i>3'</i>		<i>2/25/16</i>		<i>1130</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>		<i>-21</i>							
<i>DS-9B</i>				<i>SS</i>		<i>6'</i>				<i>1145</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-22</i>							
<i>DS-9C</i>				<i>SS</i>		<i>9'</i>				<i>1200</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-23</i>							
<i>DS-10A</i>				<i>SS</i>		<i>3'</i>				<i>1230</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-24</i>							
<i>DS-10B</i>				<i>SS</i>		<i>6'</i>				<i>1245</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-25</i>							
<i>DS-10C</i>				<i>SS</i>		<i>9'</i>				<i>1250</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-26</i>							
<i>DS-11A</i>				<i>SS</i>		<i>3'</i>				<i>1255</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-27</i>							
<i>DS-11B</i>				<i>SS</i>		<i>9'</i>				<i>100</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-28</i>							
<i>DS-12A</i>				<i>SS</i>		<i>3'</i>				<i>110</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-29</i>							
<i>DS-12B</i>				<i>SS</i>		<i>6'</i>				<i>115</i>		<i>3</i>		<i>X X</i>		<i>X X</i>		<i>X X</i>								<i>-30</i>							
* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other										<i>3</i>		pH		Temp														<i>-31</i>					
Remarks: <i>DS-12C</i>												Flow		Other																Hold #			
Relinquished by : (Signature)		Date: <i>2/25/16</i>		Time: <i>530</i>		Received by: (Signature)								Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/>								Condition: (lab use only)											
Relinquished by : (Signature)		Date:		Time:		Received by: (Signature)								Temp: <i>3.2</i> °C Bottles Received: <i>167+3TB</i>								<i>JW7</i>											
Relinquished by : (Signature)		Date:		Time:		Received for lab by: (Signature)								Date: <i>2-26-16</i>		Time: <i>940</i>		pH Checked:		NCF:		COC Seal Intact: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA											

ESC Lab Sciences
Non-Conformance Form

Login #:L820216	Client:AWPROMNC	Date:02/26/16	Evaluated by:Greg D.
-----------------	-----------------	---------------	----------------------

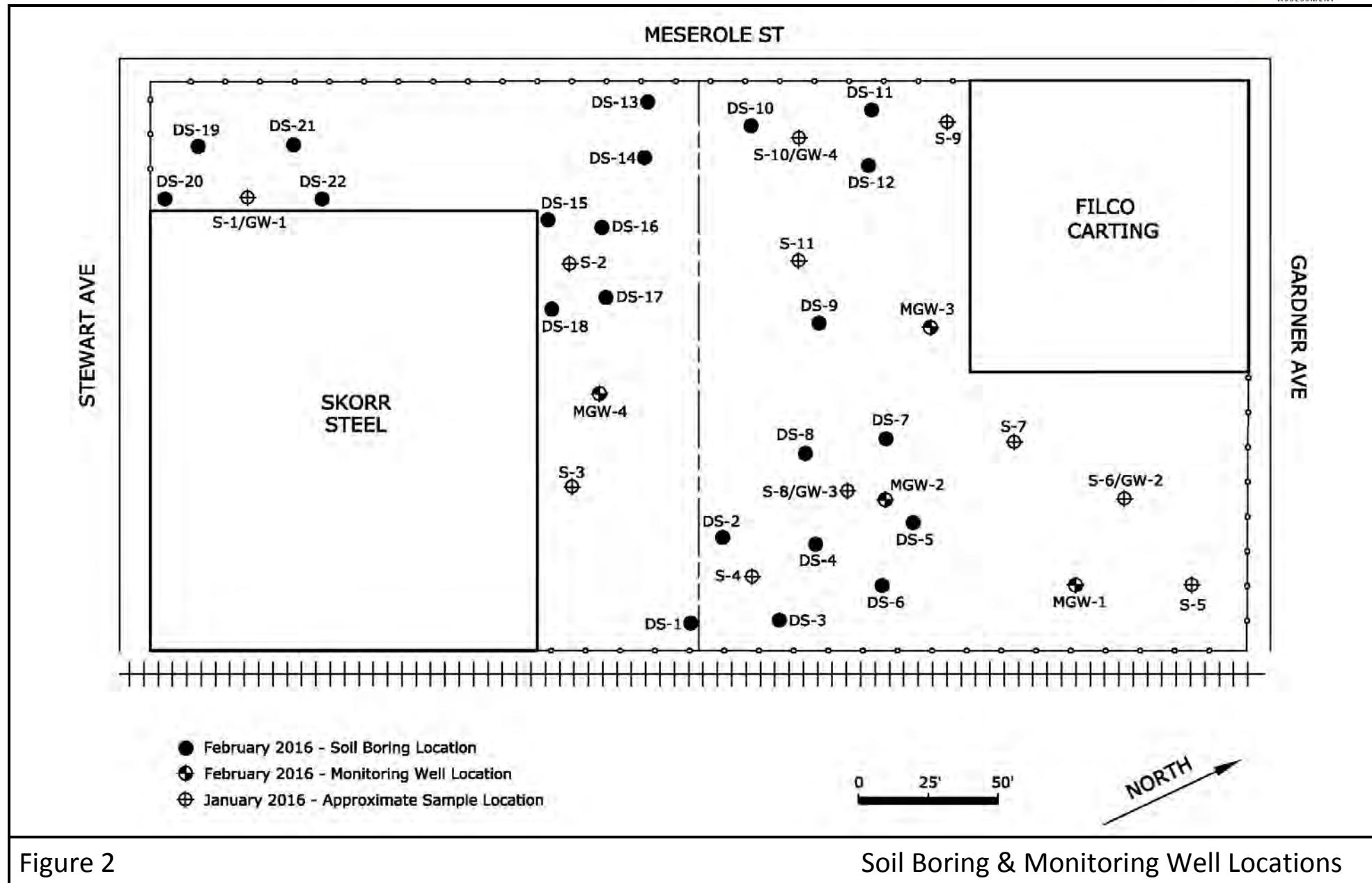
Non-Conformance (check applicable items)

Sample Integrity	Chain of Custody Clarification	If Broken Container:
Parameter(s) past holding time	Login Clarification Needed	
Improper temperature	Chain of custody is incomplete	Insufficient packing material around container
Improper container type	Please specify Metals requested.	Insufficient packing material inside cooler
Improper preservation	Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Courier
Insufficient sample volume.	Received additional samples not listed on coc.	Sample was frozen
Sample is biphasic.	Sample ids on containers do not match ids on coc	Container lid not intact
Vials received with headspace.	Trip Blank not received.	If no Chain of Custody:
Broken container	Client did not "X" analysis.	Received by:
Broken container:	Chain of Custody is missing	Date/Time:
Sufficient sample remains		Temp./Cont. Rec./pH:
		Carrier:
		Tracking#

Login Comments:Received D5-12C not on chain

Client informed by:	<input checked="" type="checkbox"/> Call	<input type="checkbox"/> Email	<input type="checkbox"/> Voice Mail	Date: 2/29/16	Time: 0825
TSR Initials: jeh	Client Contact: Austin Hewitt				

Login Instructions: Add DS-12C to COC and analyze for MRCRA8 metals, TS and SV8270PAHSIMD.



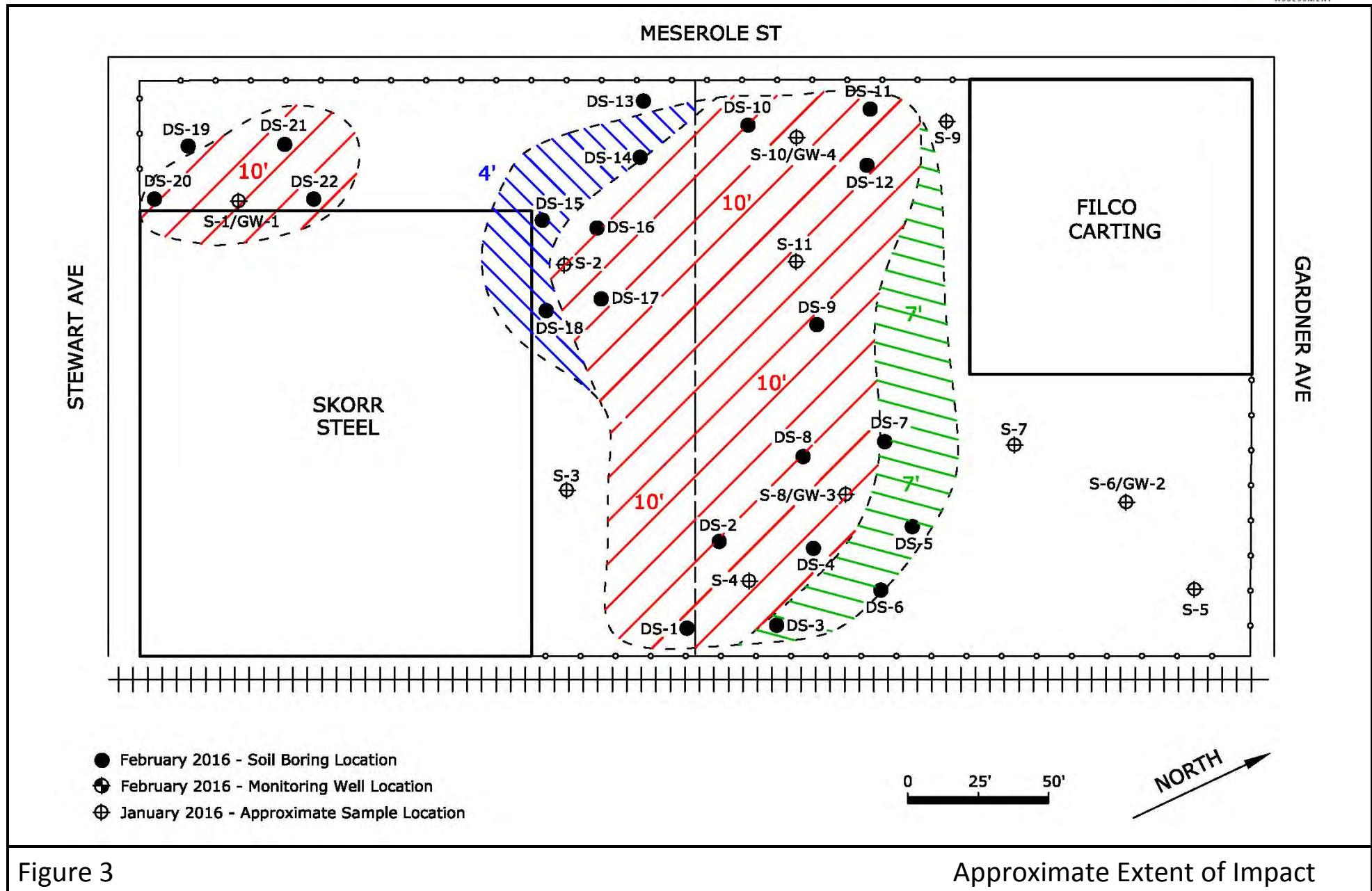
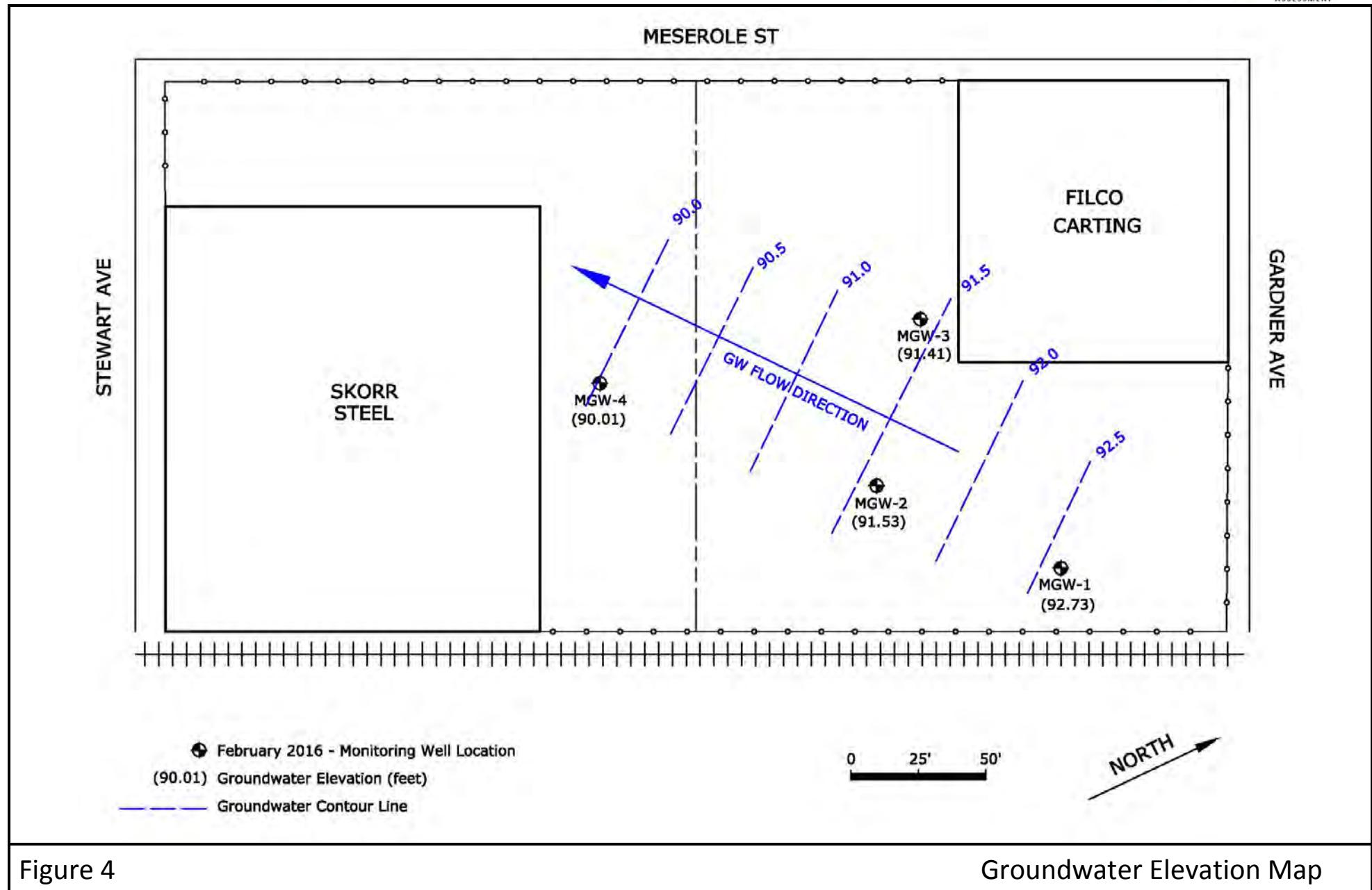


Figure 3

Approximate Extent of Impact

140 Stewart Ave & 111 Gardner Ave
Brooklyn, New York

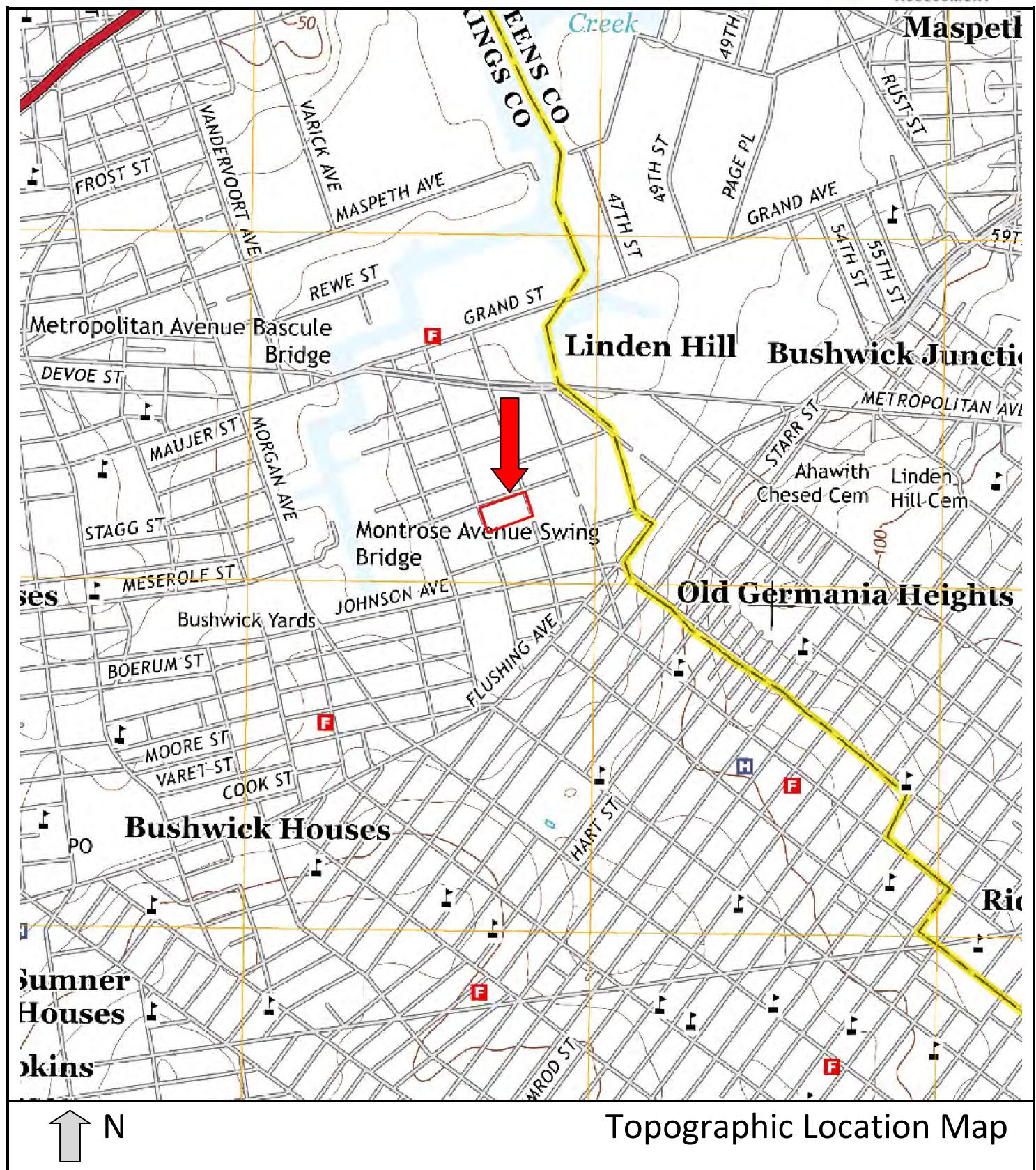
GRS Corteq #: 15-25867.4





*140 Stewart Ave & 111 Gardner Ave
Brooklyn, New York*

GRS Corteq #: 15-25867.4





*140 Stewart Ave & 111 Gardner Ave
Brooklyn, New York*

GRS Corteq #: 15-25867.2

BORING DS-1

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2.5'	3'	Upper 1' – Black Fill/Asphalt 1-5' – Dark Brown/Black Medium-Fine Sand	SW
5-10'	2.5'	6' and 9'	Dark Brown/Black Medium-Fine Sand and Gravel, Wet	SW

BORING DS-2

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	1'	3'	Upper 1' – Black Fill/Asphalt 1-5' – Dark Brown/Black Medium-Fine Sand	SW
5-10'	1'	9'	Dark Brown/Black Medium-Fine Sand, Wet	SW

NOTES:

- Due to insufficient recovery, no soil sample was collected at 6' BGL
- Due to insufficient recovery, soil sample collected at 3' BGL (DS-2A) was analyzed for PAHs and metals only

BORING DS-3

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3'	3'	Upper 1' – Black Fill/Asphalt 1-5' - Brown Medium-Fine Sand	SW
5-10'	5'	6' and 9'	5-7.5' - Dark Brown Medium-Fine Sand, Wet 7.5-10 – Brown/Grey Medium-Fine Sand, Wet	SW

BORING DS-4

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2'	3'	Upper 1' – Black Fill/Asphalt 1-5' - Brown Medium-Fine with Brick	SW
5-10'	3'	6'	5-7' – Black Medium Sand and Gravel, Wet 7-10' – Dark/Brown Medium Sand and Gravel, Wet	SW

NOTES:

- Due to insufficient recovery, no soil sample was collected at 9' BGL

BORING DS-5

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3.5'	3'	Upper 1' – Black Fill/Asphalt 1-5' - Brown Medium-Fine Sand	SW
5-10'	4'	6' and 9'	5-7' – Dark Brown Medium-Fine Sand 7-10' – Dark Brown/Black Medium-Fine Sand, Wet	SW

BORING DS-6

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	4'	3'	Upper 6" – Fill (Asphalt/Concrete) 6"-5' – Light Brown Medium-Fine Sand with Concrete	SW
5-10'	2.5'	6'	Dark Brown/Black Medium-Fine Sand, Moist	SW

NOTES:

- Due to insufficient recovery, no soil sample was collected at 9' BGL

BORING DS-7

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3'	3'	Upper 6" – Fill (Asphalt/Concrete) 6"-5' – Light Brown Medium-Fine Sand with Concrete	SW
5-10'	3'	8-10'	Dark Brown/Black Medium-Fine Sand, Moist	SW

NOTES:

- Due to insufficient recovery, no soil sample was collected at 9' BGL

BORING DS-8

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	4'	3'	Upper 6" – Fill (Asphalt) 6"-2' – Dark Brown/Black Medium-Fine Sand 2-2.5' – Concrete 2.5-5' – Dark Brown/Black Medium-Fine Sand and Fill (Brick)	SW
5-10'	2.5'	6' and 9'	5-7' - Brown Medium-Fine Sand 7-10' – Black Medium Sand and Gravel, Wet	SW

BORING DS-9

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	4'	3'	Upper 6" – Fill (Asphalt/Concrete/Brick) 6"-2' - Brown Medium Sand 2-2.5' - Concrete 2.5-5' – Dark Brown/Black Medium-Fine Sand	SW
5-10'	4'	6' and 9'	Dark Brown/Black Medium-Fine Sand, Moist	SW

BORING DS-10

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2.5'	3'	Brown/Grey Medium-Fine Sand	SW
5-10'	3'	5-9'	Dark Brown Medium-Fine Sand, Moist	SW

BORING DS-11

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3'	3'	Dark Brown/Black Medium-Fine Sand with Brick	SW
5-10'	1'	9'	Dark Brown/Black Medium-Fine Sand with Brick, Wet	SW

NOTES:

- Due to insufficient recovery no soil sample was collected from 6' BGL

BORING DS-12

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2'	3'	Upper 6" - Asphalt 6"-5' - Dark Brown Medium-Fine Sand	SW
5-10'	3'	6' and 9'	5-8' - Dark Brown/Black Medium-Fine Sand 8-10' – Black Medium-Fine Sand and Gravel, Wet	SW

BORING DS-13

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2.5'	3'	Upper 6" – Asphalt 6"-5' - Dark Brown/Black Medium-Fine Sand	SW
5-10'	3'	6' and 9'	Dark Brown/Black Medium-Fine Sand, Wet	SW

BORING DS-14

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3.5'	3'	Upper 6" - Asphalt 6"-5' - Dark Brown Medium-Fine Sand	SW
5-10'	3.5'	6' and 9'	Dark Brown Medium-Fine Sand, Moist	SW

BORING DS-15

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3.5'	3'	Upper 6" – Concrete 6"-5' – Dark Brown/Black Medium-Fine Sand	SW
5-10'	3.5'	6' and 9'	5-8' - Dark Brown Medium-Fine Sand with Brick 8-10' – Black Medium-Fine Sand	SW

BORING DS-16

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3'	3'	Upper 6" – Asphalt 6"-5' – Dark Brown Medium-Fine Sand	SW
5-10'	3'	6' and 9'	Dark Brown/Black Medium-Fine Sand, Wet	SW

BORING DS-17

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2.5'	3'	Upper 6" – Asphalt 6"-5' – Dark Brown/Black Medium-Fine Sand	SW
5-10'	3'	6' and 9'	Dark Brown/Black Medium-Fine Sand, Moist	SW

BORING DS-18

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: N/A

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3'	3'	Upper 6" – Concrete 6"-5' – Dark Brown/Black Medium-Fine Sand	SW
5-10'	4'	6' and 9'	5-7' – Brown/Grey Medium-Fine Sand 7-10' – Black Medium-Fine Sand, Moist	SW

BORING DS-19

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2.5'	3'	Upper 6" – Asphalt 6"-5' - Dark Brown/Black Medium-Fine Sand with Brick	SW
5-10'	3'	6' and 9'	Dark Brown/Black Medium-Fine Sand with Brick, Moist	SW

BORING DS-20

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3'	3'	Upper 6" – Asphalt 6"-5' - Dark Brown/Black Medium-Fine Sand (Petroleum Odor)	SW
5-10'	3'	6' and 9'	Black Medium-Fine Sand, Wet (Petroleum Odor)	SW

BORING DS-21

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	3'	3'	Upper 6" – Asphalt 6"-5' - Dark Brown/Black Medium-Fine Sand	SW
5-10'	3.5'	6' and 9'	Dark Brown/Black Medium-Fine Sand, Moist	SW

BORING DS-22

Project No. 15-25867.4	Sample Date: 2/24 – 2/25/2016
Project Name: S140 Stewart Ave & 111 Gardner Ave	Field Professional: Scott Stehlík
Site Location: Brooklyn, New York	Drilled By: Zebra Environmental
Client: Stewart Purchaser LLC	Drill Method: Direct Push

Total Depth: 10 feet

Observed Depth to GW: 10 feet

Depth of Refusal: N/A

Sample Interval	Core Recovery	Sample Depth	Soil Description	USGS
0-5'	2.5'	3'	Upper 6" – Asphalt 6"-5' - Dark Brown/Black Medium-Fine Sand	SW
5-10'	1'	9'	Dark Brown/Black Medium-Fine Sand, Moist	SW

NOTES:

- Due to insufficient recovery, no soil sample was collected from 6' BGL

March 9th 2016

Via e-mail: austin@awprofessionalservices.com

Mr. Austin Hewitt
A&W Professional Services , PLLC
7900-D Stevens Mill Road , #120
Matthews , North Carolina 28104

Re: Unit Prices For Soil Remediation Project
Located At 550 Mescerole St, Brooklyn, NY
Eastern Proposal No. LI.DWSP086 .16

Dear Mr. Hewitt:

Pursuant to your request, Eastern Environmental Solutions, Inc. (Eastern) is pleased to present this cost estimate for services associated with contaminated soil removal at the above referenced address.

1.0 PROJECT WORK SCOPE

Contaminated soil excavation services at the above reference residential location.

2.0 PROJECT SCHEDULE

Eastern understands the need for timely completion of this project and is prepared to commence upon receipt of the Project Work Authorization.

3.0 FEE FOR SERVICES

For this project as defined in Section 1.0 - Project Work Scope, compensation will be the following:

Contaminated Soil Excavation And Disposal Services	Unit Cost	Est. Units	Est. Cost
Heavy Equipment Operator And Excavator To Remove Contaminated Soil (Per Day)	\$2,150.00 Per Day	TBD	
Heavy Equipment Operator And Pay Loader 5 Yard	\$2,150.00 Per Day	TBD	
Mobilization and Demobilization Excavator Or Pay Loader	\$650.00 per trip	TBD	
40 Hour OSHA Trained Technician (Per Day)	\$ 550.00 Per Day	TBD	
PID Meter	\$95.00 Per Day	TBD	
Level "D" PPE	\$45.00 per tech	TBD	
Poly Sheeting (Per Roll)	\$90.00	TBD	
Temporary 6 Foot Fence Per 100 Ft	\$500.00 Per Week Rental	TBD	

"Innovative Solutions for Today's Environmental Concerns"



SOIL DISPOSAL (OPTIONS) Non Hazardous And Hazardous			
Non Hazardous Waste Characterization Analysis For Non Hazardous	\$ 750.00	TBD	
Non Hazardous Petroleum Contaminated Soil Includes Transportation And Disposal (Per Ton) (Based On Meeting Disposal Facility Parameters)	\$ 65.00 Per Ton	TBD	
Hazardous Waste Characterization Analysis For Non Hazardous	\$ 1,250.00	TBD	
Hazardous Contaminated Soil Containing Certain Metals (Based On Meeting Disposal Facility Disposal Parameters)	\$225.00 Per Ton	TBD	
Backfill	\$28.00 Per Ton	TBD	

**Above pricing does not include any state, federal, local taxes or fees, which may be imposed.
Price excludes any Permit Fees.*

Payment Terms: . To be paid in full 30 days from receipt of invoice. Pricing presented within this proposal is effective for a period of 30 days from proposal date. Overdue invoices will accrue service charges at a rate of 22 percent APR.

Eastern assumes the following for the tank abandonment/removal:

- Work Is Non Union or Non Prevailing Wage .
- Underground and/or aboveground utilities (i.e. gas, electric, sewer, water, etc.) are not located within or near the excavation area. Eastern is not responsible for repairs and/or replacement of utilities which may be impacted as a result of the excavation activities.
- Replacement and installation of landscaping (i.e. shrubs, trees, sidewalk/curbing, flowers, grass, etc.) which requires removal to facilitate access to the excavation area or are within the area to be excavated will not be the responsibility of Eastern.
- Replacement and installation of asphalt and/or concrete will not be the responsibility of Eastern.
- Restoration beyond backfilling and grading of the excavation is not included in the scope / portion of work.
- Compaction of backfill is not required.
- Tanks do not contain water.
- Tanks are structurally sound and petroleum impacts are not present at the site
- Any other service not specifically outlined in the scope outlined in Section 1.0 of this proposal will not be required. If the services are required, Eastern will provide the service following verbal and/or written approval and invoice the activities in accordance with industry standards.

4.0 TERMS AND CONDITIONS

This agreement is subject to our standard Terms and Conditions.

5.0 PROJECT AUTHORIZATION

At the end of this cost estimate you will find a Project Work Authorization. Please sign and return the cost estimate to Eastern, the receipt of which shall constitute our notice to proceed.



Austin Hewitt
LI.DWSP086.16

March 9th, 2016
Page 3 of 6

If you should have any questions or concerns regarding this cost estimate, please do not hesitate to contact me at (631) 727-2700.

Sincerely,



Douglas Schrimpf
Vice President

Eastern Environmental Solutions, Inc.

258 Line Road

Manorville, New York 11949

Office 631.727.2700 | Cell 631.774.9681 | Fax 631.727.2777

Email: dschrimpf@easternenviro.com | Website: www.EasternEnviro.com



Ph # 704-877-3541

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March 9th, 2016
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258 Line Road
Manorville, New York 11949
Office: (631) 727-2700
Fax: (631) 727-2777

General Terms & Conditions

The Company or Person signing below hereby agrees to these terms and conditions with Eastern Environmental Solutions, Inc. (EESI) and mutually understands and agree that the terms and conditions as set forth below and in the Proposal establish a binding Agreement between both parties.

Scope of Services. EESI will conduct certain environmental Services (the "Services"), including any active Services, for Customer in accordance with written Proposals, Quotations, and Additional Work Authorizations signed by Customer. All Proposals, Quotations, and Additional Work Authorizations signed by Customer shall be addenda to this Agreement and shall be subject to all of the Terms and Conditions hereof.

Applicable Taxes: Federal state and local taxes shall be added to payment amounts where applicable. Tax exempt organizations must submit proof of tax exempt status.

Compensation: EESI shall invoice the customer for services rendered to the customer. Each invoice which shall contain a description of work covered by the invoice

Payment is due upon completion of project as outline in the attached proposal. All charges are portal to portal, unless otherwise noted on the Proposal. A 1.5% finance charge per month will be applied to past due invoices compounded monthly, beginning thirty (30) days after the date due until full payment is received.

If any customer fails to perform its payment obligations, EESI shall have the right to recover any and all reasonable attorney's fees for collection of past due invoices and seek remedies available to EESI under applicable law or equity. EESI reserves that right to adjust charges such as fuel, transportation, disposal and labor, etc. based on market conditions. Any cancellation by customer within twenty-four (24) hours of the scheduled service will entitle EESI to charge a reasonable cancellation fee.

Dispute Resolution: The parties agree that any and all disputes, claims or controversies arising out of or relating to this Agreement or the relationship between the parties shall be submitted to JAMS or the American Arbitration Association (AAA), or its successor, for mediation, and if the matter is not resolved through mediation, then it shall be submitted to JAMS or AAA, or its successor, for final and binding arbitration pursuant to the arbitration clause set forth above. Either party may commence mediation by providing to JAMS or AAA and the other party a written request for mediation, setting forth the subject of the dispute and the relief requested. The parties will cooperate with JAMS or AAA and with one another in selecting a mediator from JAMS or AAA's panel of neutrals, and in scheduling the mediation proceedings. The parties covenant that they will participate in the mediation in good faith, and that they will share equally in its costs. All offers, promises, conduct and statements, whether oral or written, made in the course of the mediation by any of the parties, their agents, employees, experts and attorneys, and by the mediator or any JAMS or AAA employees, are confidential, privileged and inadmissible for any purpose, including impeachment, in any arbitration or other proceeding involving the parties, provided that evidence that is otherwise admissible or discoverable shall not be rendered inadmissible or non-discoverable as a result of its use in the mediation. Either party may initiate arbitration with respect to the matters submitted to mediation by filing a written demand for arbitration at any time following the initial mediation session or 45 days after the date of filing the written request for mediation, whichever occurs first. The mediation may continue neafter the commencement of arbitration if the parties so desire. Unless otherwise agreed by the parties, the mediator shall be disqualified from serving as arbitrator in the case. The provisions of this Clause may be enforced by any Court of competent jurisdiction, and the party seeking enforcement shall be entitled to an award of all costs, fees and expenses, including attorneys' fees, to be paid by the party against whom enforcement is ordered.



Site Access and Existing Conditions. Customer shall provide EESI, its agents and subcontractors, with access to the site(s). Customer shall provide to EESI any and all records, surveys, and other documents and information as necessary for EESI to perform the Services hereunder, and EESI shall be entitled to rely on any such information without independent verification of the accuracy thereof, unless otherwise instructed or informed by Customer. Customer certifies that information does accurately reflect current site conditions. Customer acknowledges that unforeseen conditions may require EESI, its agents, or subcontractors to perform additional Services. Those Services may require additional compensation. EESI will prepare an Additional Work Authorization to reflect the impact to the cost for Customer approval. Customer understands and acknowledges that EESI and its subcontractors have played no part in the generation, creation, release or threatened release of a substance, waste, compound or material, hazardous or non-hazardous which may exist at the site.

Standard of Care. Customer recognizes that environmental, geologic and geotechnical conditions can vary from those encountered at the times and locations where data are obtained by EESI and that the limitation of available data results in some level of uncertainty with respect to the interpretation of these conditions, despite the use of standard professional care and skill. EESI agrees to use that level of care and skill ordinarily exercised by other professional environmental firms acting under similar circumstances in performing its Services hereunder. Except for this standard of care and skill, no warranty, express or implied is made or intended by EESI in providing the Services hereunder, including the furnishing of oral or written reports of the findings made.

Subcontractors. EESI may subcontract the performance of all or any portion of the Services which are to be rendered by EESI hereunder to any person or entity which, in EESI's opinion, is reasonably qualified to perform the particular portion of Services which EESI will assign it. Any such subcontract shall not operate to relieve EESI of its responsibilities hereunder; provided, however, that EESI shall not be liable for the negligent or willful acts or omissions of any entity or person performing a part of the Services pursuant to a subcontract.

Severability. If any term or provision of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining terms and provisions of this Agreement shall in no way be affected, impaired or invalidated, and to the extent permitted by law, shall be restricted in applicability or reformed to the minimum extent required to be enforceable. This provision shall be interpreted and enforced to provide the original written intent of the parties prior to the determination of such invalidity or unenforceability.

Force Majeure. Customer shall not hold EESI responsible for damages or delays in performance caused by Force Majeure or other events beyond the control of EESI. For purposes of this Agreement, Force Majeure shall include, but not necessarily be limited to adverse weather conditions, floods, epidemics, war, riot, strikes, lockouts and other industrial disturbances; unknown site conditions, accidents, sabotage, fire, loss of permits, failure to obtain permits, unavailability of labor, materials or Services; court orders; acts of God; act, orders, laws or regulations of the Government of the United States or the several states, or any foreign county, or any governmental agency. Should such acts or events occur, the parties to this Agreement shall mutually agree on the terms and conditions upon which the Services may be continued. Notwithstanding the foregoing, Force Majeure shall not be an excuse for non-payment of compensation hereunder owed to EESI.

Indemnification. EESI shall defend, protect, indemnify and hold harmless Customer, its directors and officers, from and against any and all claims, liabilities, demands, damages, losses, costs and expenses, including, but not limited to, reasonable attorney's fees and costs which are the direct and sole result of grossly negligent acts, errors, or omissions of EESI or the willful misconduct of EESI; provided, however, EESI's liability shall be limited in any event to a maximum amount of the contract value or ten thousand dollars (\$10,000), whichever amount is smaller, and EESI shall in no event be liable for special, consequential or punitive damages.

To the fullest extent allowable by law, Customer agrees that it shall defend, indemnify, save and hold EESI, its agents, directors, officers, employees, successors, and assigns (the "EESI Parties") harmless from any and all demands, liabilities, losses, costs and claims, including attorneys' fees asserted against any of the EESI Parties, that may arise or result from any Services provided or performed or agreed to be performed by EESI, other than those matters which are the direct and sole result of the grossly negligent acts or omissions or willful misconduct of the EESI Parties.



Austin Hewitt
LI.DWSP086.16

March 9th, 2016
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Acceptance of Risk. In compliance with the Hazard Communication Standard ("Right to Know", 29 CFR 1910.1200), Customer shall provide EESI with a list of hazardous chemicals in the work place which employees may be exposed to while performing this Agreement. In addition, Customer shall identify protective measures to be followed in case exposure occurs.

Assignment. This Agreement shall be binding upon and shall inure to the benefit of the parties and their respective heirs, representatives, successors and assigns, as the case may be. Neither Customer nor EESI shall be entitled to assign any of its rights or obligations hereunder without the prior written consent of the non-assigning party.

Modification: No modification or amendment to the agreement shall be acceptable or binding unless executed in writing and signed by both parties.

Entire Agreement. This Agreement, the Proposals, Quotations, and the Additional Work Authorizations issued by EESI and signed by Customer hereunder constitute the entire agreement of the parties and supersede any and all prior or contemporaneous written or oral negotiations, correspondence, understandings and agreements between the parties respecting the subject matter hereof.

Governing Law: This agreement shall be governed by construed and enforced in accordance with the laws of the State of New York.

The **Authorized Representative** of the Customer signing below hereby certifies that they have read and are in agreement with all elements of this Agreement. IN WITNESS OF THE FOREGOING PROVISIONS, the Parties hereto have duly executed this Agreement below.

Customer

Name/Title: _____

Signature: _____

Date: _____

Eastern Environmental Solutions, Inc.

EESI Representative: _____

Signature: _____

Date: _____

March 10, 2016

A & W Professional Services, PLLC

Sample Delivery Group: L820420
Samples Received: 02/27/2016
Project Number:
Description: Soil Delineation
Site: BROOKLYN, NY
Report To: Mr. Austin Hewitt
7900-D Stevens Mill Road, # 120
Matthews, NC 28104

Entire Report Reviewed By:



Jimmy Hunt
Technical Service Representative

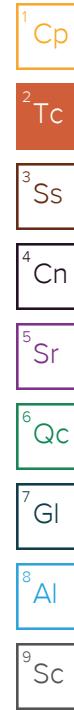
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating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



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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



			Collected by SS / AH	Collected date/time 02/26/16 09:45	Received date/time 02/27/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853064	1	03/01/16 18:13	03/02/16 15:55	TRB
Metals (ICP) by Method 6010C	WG853214	1	03/02/16 14:52	03/03/16 02:34	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852913	1	03/02/16 00:24	03/03/16 19:53	KMP
Total Solids by Method 2540 G-2011	WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
			Collected by SS / AH	Collected date/time 02/26/16 09:55	Received date/time 02/27/16 09:00
DS-13B 6FT L820420-02 Solid					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853064	1	03/01/16 18:13	03/02/16 15:57	TRB
Metals (ICP) by Method 6010C	WG853214	1	03/02/16 14:52	03/03/16 02:37	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852913	1	03/02/16 00:24	03/03/16 15:57	KMP
Total Solids by Method 2540 G-2011	WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
			Collected by SS / AH	Collected date/time 02/26/16 10:00	Received date/time 02/27/16 09:00
DS-13C 9FT L820420-03 Solid					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853064	1	03/01/16 18:13	03/02/16 16:00	TRB
Metals (ICP) by Method 6010C	WG853214	1	03/02/16 14:52	03/03/16 02:40	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852913	1	03/02/16 00:24	03/03/16 16:18	KMP
Total Solids by Method 2540 G-2011	WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
			Collected by SS / AH	Collected date/time 02/26/16 10:10	Received date/time 02/27/16 09:00
DS-14A 3FT L820420-04 Solid					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853064	10	03/01/16 18:13	03/02/16 19:51	TRB
Metals (ICP) by Method 6010C	WG853214	1	03/02/16 14:52	03/03/16 02:42	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852913	10	03/02/16 00:24	03/03/16 22:02	KMP
Total Solids by Method 2540 G-2011	WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
			Collected by SS / AH	Collected date/time 02/26/16 10:20	Received date/time 02/27/16 09:00
DS-14B 6FT L820420-05 Solid					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853064	1	03/01/16 18:13	03/02/16 16:05	TRB
Metals (ICP) by Method 6010C	WG853214	1	03/02/16 14:52	03/03/16 02:45	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852913	10	03/02/16 00:24	03/03/16 22:23	KMP
Total Solids by Method 2540 G-2011	WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
			Collected by SS / AH	Collected date/time 02/26/16 10:25	Received date/time 02/27/16 09:00
DS-14C 9FT L820420-06 Solid					
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853064	2	03/01/16 18:13	03/02/16 19:32	TRB
Metals (ICP) by Method 6010C	WG853214	1	03/02/16 14:52	03/03/16 02:48	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852913	1	03/02/16 00:24	03/03/16 16:40	KMP
Total Solids by Method 2540 G-2011	WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



SGW-1 L820420-07 GW		Collected by SS / AH	Collected date/time 02/25/16 12:20	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG852777	1	03/01/16 05:54	03/01/16 17:24	TRB
Metals (ICP) by Method 6010C	WG853484	9	03/02/16 22:15	03/03/16 14:55	ST
Metals (ICPMS) by Method 6020	WG852965	9	03/01/16 16:50	03/02/16 13:51	LAT
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852909	3	03/01/16 18:23	03/02/16 09:33	FMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853218	1	03/02/16 04:44	03/02/16 04:44	DWR
MGW-2 L820420-08 GW		Collected by SS / AH	Collected date/time 02/25/16 16:00	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG852777	1	03/01/16 05:54	03/01/16 17:27	TRB
Metals (ICP) by Method 6010C	WG853484	1	03/02/16 22:15	03/03/16 14:43	ST
Metals (ICPMS) by Method 6020	WG852965	1	03/01/16 16:50	03/02/16 13:54	LAT
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852909	1	03/01/16 18:23	03/02/16 08:47	FMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853218	1	03/02/16 05:03	03/02/16 05:03	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853413	100	03/03/16 07:24	03/03/16 07:24	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG854908	1000	03/09/16 15:21	03/09/16 15:21	BMB
MGW-3 L820420-09 GW		Collected by SS / AH	Collected date/time 02/25/16 15:30	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG852777	3	03/01/16 05:54	03/01/16 17:29	TRB
Metals (ICP) by Method 6010C	WG853484	9	03/02/16 22:15	03/03/16 14:58	ST
Metals (ICPMS) by Method 6020	WG852965	9	03/01/16 16:50	03/02/16 13:56	LAT
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852909	3	03/01/16 18:23	03/02/16 09:56	FMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853218	1	03/02/16 05:20	03/02/16 05:20	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853413	1	03/03/16 07:48	03/03/16 07:48	DWR
MGW-4 L820420-10 GW		Collected by SS / AH	Collected date/time 02/26/16 12:20	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7470A	WG852777	1	03/01/16 05:54	03/01/16 17:32	TRB
Metals (ICP) by Method 6010C	WG853484	1	03/02/16 22:15	03/03/16 15:01	ST
Metals (ICPMS) by Method 6020	WG852965	1	03/01/16 16:50	03/02/16 13:58	LAT
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG852909	1	03/01/16 18:23	03/02/16 09:10	FMB
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853218	1	03/02/16 05:38	03/02/16 05:38	DWR
Volatile Organic Compounds (GC/MS) by Method 8260C	WG853413	1	03/03/16 08:12	03/03/16 08:12	DWR
DS-15A 3FT L820420-11 Solid		Collected by SS / AH	Collected date/time 02/26/16 10:40	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853064	10	03/01/16 18:13	03/02/16 19:35	TRB
Metals (ICP) by Method 6010C	WG853214	1	03/02/16 14:52	03/03/16 02:57	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG853162	200	03/04/16 10:59	03/07/16 18:43	KMP
Total Solids by Method 2540 G-2011	WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL



SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



				Collected by SS / AH	Collected date/time 02/26/16 10:45	Received date/time 02/27/16 09:00
DS-15B 6FT L820420-12 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:13	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:00	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	10	03/04/16 10:59	03/07/16 17:38	KMP
Total Solids by Method 2540 G-2011		WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
DS-15C 9FT L820420-13 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:15	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:02	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 14:45	KMP
Total Solids by Method 2540 G-2011		WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
DS-16A 3FT L820420-14 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	20	03/01/16 18:13	03/02/16 19:37	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:05	RDS
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	5	03/04/16 10:59	03/07/16 16:55	KMP
Total Solids by Method 2540 G-2011		WG852833	1	02/29/16 12:57	02/29/16 13:10	MEL
DS-16B 6FT L820420-15 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:26	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:08	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 15:50	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
DS-16C 9FT L820420-16 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:29	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:11	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	800	03/04/16 10:59	03/07/16 19:04	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
DS-17A 3FT L820420-17 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	5	03/01/16 18:13	03/02/16 19:40	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:14	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	20	03/04/16 10:59	03/07/16 18:21	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



				Collected by SS / AH	Collected date/time 02/26/16 11:45	Received date/time 02/27/16 09:00
DS-17B 6FT L820420-18 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:34	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 02:14	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 12:13	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
				Collected by SS / AH	Collected date/time 02/26/16 11:50	Received date/time 02/27/16 09:00
DS-17C 9FT L820420-19 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	5	03/01/16 18:13	03/02/16 19:42	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:16	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 15:28	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
				Collected by SS / AH	Collected date/time 02/26/16 12:05	Received date/time 02/27/16 09:00
DS-18A 3FT L820420-20 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:39	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:19	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 15:07	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
				Collected by SS / AH	Collected date/time 02/26/16 12:20	Received date/time 02/27/16 09:00
DS-18B 6FT L820420-21 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:41	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:22	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 12:35	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
				Collected by SS / AH	Collected date/time 02/26/16 12:25	Received date/time 02/27/16 09:00
DS-18C 9FT L820420-22 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:44	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:30	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 14:02	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
				Collected by SS / AH	Collected date/time 02/26/16 13:00	Received date/time 02/27/16 09:00
DS-19A 3FT L820420-23 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 16:46	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:33	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 12:57	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



				Collected by SS / AH	Collected date/time 02/26/16 13:20	Received date/time 02/27/16 09:00
DS-19B 6FT L820420-24 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853064	1	03/01/16 18:13	03/02/16 15:42	TRB
Metals (ICP) by Method 6010C		WG853214	1	03/02/16 14:52	03/03/16 03:36	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	5	03/04/16 10:59	03/07/16 16:11	KMP
Total Solids by Method 2540 G-2011		WG852835	1	03/01/16 09:20	03/01/16 09:28	MEL
DS-19C 9FT L820420-25 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853951	1	03/04/16 13:14	03/04/16 16:47	TRB
Metals (ICP) by Method 6010C		WG853308	1	03/02/16 10:49	03/02/16 23:06	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 14:23	KMP
Total Solids by Method 2540 G-2011		WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL
DS-20A 3FT L820420-26 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853951	1	03/04/16 13:14	03/04/16 16:49	TRB
Metals (ICP) by Method 6010C		WG853308	1	03/02/16 10:49	03/02/16 23:09	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	1	03/04/16 10:59	03/07/16 13:18	KMP
Total Solids by Method 2540 G-2011		WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL
DS-20B 6FT L820420-27 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853951	1	03/04/16 13:14	03/04/16 16:57	TRB
Metals (ICP) by Method 6010C		WG853308	1	03/02/16 10:49	03/02/16 23:12	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	5	03/04/16 10:59	03/07/16 16:33	KMP
Total Solids by Method 2540 G-2011		WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL
DS-20C 9FT L820420-28 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853951	1	03/04/16 13:14	03/04/16 17:00	TRB
Metals (ICP) by Method 6010C		WG853308	1	03/02/16 10:49	03/02/16 23:15	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	10	03/04/16 10:59	03/07/16 17:16	KMP
Total Solids by Method 2540 G-2011		WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL
DS-21A 3FT L820420-29 Solid	Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A		WG853951	1	03/04/16 13:14	03/04/16 17:02	TRB
Metals (ICP) by Method 6010C		WG853308	1	03/02/16 10:49	03/02/16 23:17	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM		WG853162	20	03/04/16 10:59	03/07/16 18:00	KMP
Total Solids by Method 2540 G-2011		WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL

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

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

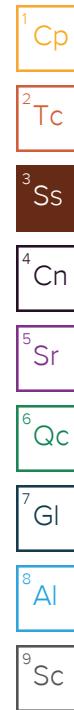


DS-21B 6FT L820420-30 Solid		Collected by SS / AH	Collected date/time 02/26/16 14:25	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853951	1	03/04/16 13:14	03/04/16 17:05	TRB
Metals (ICP) by Method 6010C	WG853308	1	03/02/16 10:49	03/02/16 23:20	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG853162	1	03/04/16 10:59	03/07/16 13:40	KMP
Total Solids by Method 2540 G-2011	WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL

DS-21C 9FT L820420-31 Solid		Collected by SS / AH	Collected date/time 02/26/16 14:30	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853951	10	03/04/16 13:14	03/04/16 17:43	TRB
Metals (ICP) by Method 6010C	WG853308	1	03/02/16 10:49	03/02/16 23:23	RDS
Metals (ICP) by Method 6010C	WG853308	5	03/02/16 10:49	03/03/16 03:45	LTB
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG853416	2	03/03/16 13:11	03/04/16 19:25	KMP
Total Solids by Method 2540 G-2011	WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL

DS-22A 3FT L820420-32 Solid		Collected by SS / AH	Collected date/time 02/26/16 14:35	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853951	2	03/04/16 13:14	03/04/16 17:45	TRB
Metals (ICP) by Method 6010C	WG853308	1	03/02/16 10:49	03/02/16 23:26	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG853416	20	03/03/16 13:11	03/04/16 20:08	KMP
Total Solids by Method 2540 G-2011	WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL

DS-22B 9FT L820420-33 Solid		Collected by SS / AH	Collected date/time 02/26/16 14:40	Received date/time 02/27/16 09:00	
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Mercury by Method 7471A	WG853951	2	03/04/16 13:14	03/04/16 17:48	TRB
Metals (ICP) by Method 6010C	WG853308	1	03/02/16 10:49	03/02/16 22:45	ST
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG853416	5	03/03/16 13:11	03/04/16 19:46	KMP
Total Solids by Method 2540 G-2011	WG852889	1	02/29/16 14:12	02/29/16 14:22	MEL





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

Jimmy Hunt
Technical Service Representative

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ GI
- ⁸ AI
- ⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	71.4	J3	1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.249		0.0280	1	03/02/2016 15:55	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	11.3		2.80	1	03/03/2016 02:34	WG853214
Barium	147		0.701	1	03/03/2016 02:34	WG853214
Cadmium	ND		0.701	1	03/03/2016 02:34	WG853214
Chromium	13.3		1.40	1	03/03/2016 02:34	WG853214
Lead	364		0.701	1	03/03/2016 02:34	WG853214
Selenium	ND		2.80	1	03/03/2016 02:34	WG853214
Silver	ND		1.40	1	03/03/2016 02:34	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0366		0.00841	1	03/03/2016 19:53	WG852913
Acenaphthene	0.0130		0.00841	1	03/03/2016 19:53	WG852913
Acenaphthylene	ND		0.00841	1	03/03/2016 19:53	WG852913
Benzo(a)anthracene	0.0306		0.00841	1	03/03/2016 19:53	WG852913
Benzo(a)pyrene	0.0211		0.00841	1	03/03/2016 19:53	WG852913
Benzo(b)fluoranthene	0.0446		0.00841	1	03/03/2016 19:53	WG852913
Benzo(g,h,i)perylene	0.0213		0.00841	1	03/03/2016 19:53	WG852913
Benzo(k)fluoranthene	ND		0.00841	1	03/03/2016 19:53	WG852913
Chrysene	0.117		0.00841	1	03/03/2016 19:53	WG852913
Dibenz(a,h)anthracene	0.0105		0.00841	1	03/03/2016 19:53	WG852913
Fluoranthene	0.0443		0.00841	1	03/03/2016 19:53	WG852913
Fluorene	0.0164		0.00841	1	03/03/2016 19:53	WG852913
Indeno(1,2,3-cd)pyrene	0.0119		0.00841	1	03/03/2016 19:53	WG852913
Naphthalene	ND		0.0280	1	03/03/2016 19:53	WG852913
Phenanthrene	0.102		0.00841	1	03/03/2016 19:53	WG852913
Pyrene	0.0634		0.00841	1	03/03/2016 19:53	WG852913
1-Methylnaphthalene	ND		0.0280	1	03/03/2016 19:53	WG852913
2-Methylnaphthalene	0.0348		0.0280	1	03/03/2016 19:53	WG852913
2-Chloronaphthalene	ND		0.0280	1	03/03/2016 19:53	WG852913
(S) Nitrobenzene-d5	65.8		22.1-146		03/03/2016 19:53	WG852913
(S) 2-Fluorobiphenyl	64.6		40.6-122		03/03/2016 19:53	WG852913
(S) p-Terphenyl-d14	61.6		32.2-131		03/03/2016 19:53	WG852913



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	82.4		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.477		0.0243	1	03/02/2016 15:57	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	9.91		2.43	1	03/03/2016 02:37	WG853214
Barium	152		0.607	1	03/03/2016 02:37	WG853214
Cadmium	1.20		0.607	1	03/03/2016 02:37	WG853214
Chromium	17.7		1.21	1	03/03/2016 02:37	WG853214
Lead	380		0.607	1	03/03/2016 02:37	WG853214
Selenium	ND		2.43	1	03/03/2016 02:37	WG853214
Silver	ND		1.21	1	03/03/2016 02:37	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0555		0.00728	1	03/03/2016 15:57	WG852913
Acenaphthene	0.0196		0.00728	1	03/03/2016 15:57	WG852913
Acenaphthylene	ND		0.00728	1	03/03/2016 15:57	WG852913
Benz(a)anthracene	0.181		0.00728	1	03/03/2016 15:57	WG852913
Benzo(a)pyrene	0.169		0.00728	1	03/03/2016 15:57	WG852913
Benzo(b)fluoranthene	0.209		0.00728	1	03/03/2016 15:57	WG852913
Benzo(g,h,i)perylene	0.114		0.00728	1	03/03/2016 15:57	WG852913
Benzo(k)fluoranthene	0.0560		0.00728	1	03/03/2016 15:57	WG852913
Chrysene	0.176		0.00728	1	03/03/2016 15:57	WG852913
Dibenz(a,h)anthracene	0.0295		0.00728	1	03/03/2016 15:57	WG852913
Fluoranthene	0.355		0.00728	1	03/03/2016 15:57	WG852913
Fluorene	0.0177		0.00728	1	03/03/2016 15:57	WG852913
Indeno(1,2,3-cd)pyrene	0.0874		0.00728	1	03/03/2016 15:57	WG852913
Naphthalene	ND		0.0243	1	03/03/2016 15:57	WG852913
Phenanthrene	0.233		0.00728	1	03/03/2016 15:57	WG852913
Pyrene	0.398		0.00728	1	03/03/2016 15:57	WG852913
1-Methylnaphthalene	ND		0.0243	1	03/03/2016 15:57	WG852913
2-Methylnaphthalene	ND		0.0243	1	03/03/2016 15:57	WG852913
2-Chloronaphthalene	ND		0.0243	1	03/03/2016 15:57	WG852913
(S) Nitrobenzene-d5	75.6		22.1-146		03/03/2016 15:57	WG852913
(S) 2-Fluorobiphenyl	73.9		40.6-122		03/03/2016 15:57	WG852913
(S) p-Terphenyl-d14	73.2		32.2-131		03/03/2016 15:57	WG852913



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	80.0		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.201		0.0250	1	03/02/2016 16:00	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	5.63		2.50	1	03/03/2016 02:40	WG853214
Barium	77.5		0.625	1	03/03/2016 02:40	WG853214
Cadmium	ND		0.625	1	03/03/2016 02:40	WG853214
Chromium	21.0		1.25	1	03/03/2016 02:40	WG853214
Lead	279		0.625	1	03/03/2016 02:40	WG853214
Selenium	ND		2.50	1	03/03/2016 02:40	WG853214
Silver	ND		1.25	1	03/03/2016 02:40	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0158		0.00750	1	03/03/2016 16:18	WG852913
Acenaphthene	0.00839		0.00750	1	03/03/2016 16:18	WG852913
Acenaphthylene	ND		0.00750	1	03/03/2016 16:18	WG852913
Benzo(a)anthracene	0.0374		0.00750	1	03/03/2016 16:18	WG852913
Benzo(a)pyrene	0.0350		0.00750	1	03/03/2016 16:18	WG852913
Benzo(b)fluoranthene	0.0402		0.00750	1	03/03/2016 16:18	WG852913
Benzo(g,h,i)perylene	0.0250		0.00750	1	03/03/2016 16:18	WG852913
Benzo(k)fluoranthene	0.0128		0.00750	1	03/03/2016 16:18	WG852913
Chrysene	0.0341		0.00750	1	03/03/2016 16:18	WG852913
Dibenz(a,h)anthracene	ND		0.00750	1	03/03/2016 16:18	WG852913
Fluoranthene	0.0779		0.00750	1	03/03/2016 16:18	WG852913
Fluorene	0.00751		0.00750	1	03/03/2016 16:18	WG852913
Indeno(1,2,3-cd)pyrene	0.0194		0.00750	1	03/03/2016 16:18	WG852913
Naphthalene	ND		0.0250	1	03/03/2016 16:18	WG852913
Phenanthrene	0.0654		0.00750	1	03/03/2016 16:18	WG852913
Pyrene	0.0858		0.00750	1	03/03/2016 16:18	WG852913
1-Methylnaphthalene	ND		0.0250	1	03/03/2016 16:18	WG852913
2-Methylnaphthalene	ND		0.0250	1	03/03/2016 16:18	WG852913
2-Chloronaphthalene	ND		0.0250	1	03/03/2016 16:18	WG852913
(S) Nitrobenzene-d5	56.9		22.1-146		03/03/2016 16:18	WG852913
(S) 2-Fluorobiphenyl	58.6		40.6-122		03/03/2016 16:18	WG852913
(S) p-Terphenyl-d14	65.2		32.2-131		03/03/2016 16:18	WG852913



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	90.9		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	6.24		0.220	10	03/02/2016 19:51	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	2.61		2.20	1	03/03/2016 02:42	WG853214
Barium	38.8		0.550	1	03/03/2016 02:42	WG853214
Cadmium	ND		0.550	1	03/03/2016 02:42	WG853214
Chromium	13.4		1.10	1	03/03/2016 02:42	WG853214
Lead	12.3		0.550	1	03/03/2016 02:42	WG853214
Selenium	ND		2.20	1	03/03/2016 02:42	WG853214
Silver	ND		1.10	1	03/03/2016 02:42	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	2.15		0.0660	10	03/03/2016 22:02	WG852913
Acenaphthene	0.685		0.0660	10	03/03/2016 22:02	WG852913
Acenaphthylene	ND		0.0660	10	03/03/2016 22:02	WG852913
Benz(a)anthracene	4.69		0.0660	10	03/03/2016 22:02	WG852913
Benzo(a)pyrene	4.44		0.0660	10	03/03/2016 22:02	WG852913
Benzo(b)fluoranthene	5.21		0.0660	10	03/03/2016 22:02	WG852913
Benzo(g,h,i)perylene	2.95		0.0660	10	03/03/2016 22:02	WG852913
Benzo(k)fluoranthene	1.55		0.0660	10	03/03/2016 22:02	WG852913
Chrysene	4.12		0.0660	10	03/03/2016 22:02	WG852913
Dibenz(a,h)anthracene	0.723		0.0660	10	03/03/2016 22:02	WG852913
Fluoranthene	9.49		0.0660	10	03/03/2016 22:02	WG852913
Fluorene	0.752		0.0660	10	03/03/2016 22:02	WG852913
Indeno(1,2,3-cd)pyrene	2.34		0.0660	10	03/03/2016 22:02	WG852913
Naphthalene	0.429		0.220	10	03/03/2016 22:02	WG852913
Phenanthren	7.26		0.0660	10	03/03/2016 22:02	WG852913
Pyrene	9.58		0.0660	10	03/03/2016 22:02	WG852913
1-Methylnaphthalene	ND		0.220	10	03/03/2016 22:02	WG852913
2-Methylnaphthalene	ND		0.220	10	03/03/2016 22:02	WG852913
2-Chloronaphthalene	ND		0.220	10	03/03/2016 22:02	WG852913
(S) Nitrobenzene-d5	70.9		22.1-146		03/03/2016 22:02	WG852913
(S) 2-Fluorobiphenyl	75.1		40.6-122		03/03/2016 22:02	WG852913
(S) p-Terphenyl-d14	77.0		32.2-131		03/03/2016 22:02	WG852913



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	72.3		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.933		0.0277	1	03/02/2016 16:05	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	9.97		2.77	1	03/03/2016 02:45	WG853214
Barium	127		0.692	1	03/03/2016 02:45	WG853214
Cadmium	1.26		0.692	1	03/03/2016 02:45	WG853214
Chromium	94.3		1.38	1	03/03/2016 02:45	WG853214
Lead	411		0.692	1	03/03/2016 02:45	WG853214
Selenium	ND		2.77	1	03/03/2016 02:45	WG853214
Silver	ND		1.38	1	03/03/2016 02:45	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.673		0.0830	10	03/03/2016 22:23	WG852913
Acenaphthene	0.218		0.0830	10	03/03/2016 22:23	WG852913
Acenaphthylene	ND		0.0830	10	03/03/2016 22:23	WG852913
Benz(a)anthracene	1.32		0.0830	10	03/03/2016 22:23	WG852913
Benzo(a)pyrene	1.11		0.0830	10	03/03/2016 22:23	WG852913
Benzo(b)fluoranthene	1.56		0.0830	10	03/03/2016 22:23	WG852913
Benzo(g,h,i)perylene	0.688		0.0830	10	03/03/2016 22:23	WG852913
Benzo(k)fluoranthene	0.387		0.0830	10	03/03/2016 22:23	WG852913
Chrysene	1.19		0.0830	10	03/03/2016 22:23	WG852913
Dibenz(a,h)anthracene	0.195		0.0830	10	03/03/2016 22:23	WG852913
Fluoranthene	3.10		0.0830	10	03/03/2016 22:23	WG852913
Fluorene	0.262		0.0830	10	03/03/2016 22:23	WG852913
Indeno(1,2,3-cd)pyrene	0.570		0.0830	10	03/03/2016 22:23	WG852913
Naphthalene	ND		0.277	10	03/03/2016 22:23	WG852913
Phenanthren	2.43		0.0830	10	03/03/2016 22:23	WG852913
Pyrene	2.64		0.0830	10	03/03/2016 22:23	WG852913
1-Methylnaphthalene	ND		0.277	10	03/03/2016 22:23	WG852913
2-Methylnaphthalene	ND		0.277	10	03/03/2016 22:23	WG852913
2-Chloronaphthalene	ND		0.277	10	03/03/2016 22:23	WG852913
(S) Nitrobenzene-d5	55.0		22.1-146		03/03/2016 22:23	WG852913
(S) 2-Fluorobiphenyl	52.3		40.6-122		03/03/2016 22:23	WG852913
(S) p-Terphenyl-d14	46.0		32.2-131		03/03/2016 22:23	WG852913



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	79.4		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	1.97		0.0504	2	03/02/2016 19:32	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	8.94		2.52	1	03/03/2016 02:48	WG853214
Barium	119		0.630	1	03/03/2016 02:48	WG853214
Cadmium	1.54		0.630	1	03/03/2016 02:48	WG853214
Chromium	14.4		1.26	1	03/03/2016 02:48	WG853214
Lead	311		0.630	1	03/03/2016 02:48	WG853214
Selenium	ND		2.52	1	03/03/2016 02:48	WG853214
Silver	ND		1.26	1	03/03/2016 02:48	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.103		0.00756	1	03/03/2016 16:40	WG852913
Acenaphthene	0.0467		0.00756	1	03/03/2016 16:40	WG852913
Acenaphthylene	ND		0.00756	1	03/03/2016 16:40	WG852913
Benz(a)anthracene	0.280		0.00756	1	03/03/2016 16:40	WG852913
Benzo(a)pyrene	0.249		0.00756	1	03/03/2016 16:40	WG852913
Benzo(b)fluoranthene	0.275		0.00756	1	03/03/2016 16:40	WG852913
Benzo(g,h,i)perylene	0.148		0.00756	1	03/03/2016 16:40	WG852913
Benzo(k)fluoranthene	0.0782		0.00756	1	03/03/2016 16:40	WG852913
Chrysene	0.232		0.00756	1	03/03/2016 16:40	WG852913
Dibenz(a,h)anthracene	0.0362		0.00756	1	03/03/2016 16:40	WG852913
Fluoranthene	0.566		0.00756	1	03/03/2016 16:40	WG852913
Fluorene	0.0340		0.00756	1	03/03/2016 16:40	WG852913
Indeno(1,2,3-cd)pyrene	0.113		0.00756	1	03/03/2016 16:40	WG852913
Naphthalene	ND		0.0252	1	03/03/2016 16:40	WG852913
Phenanthrene	0.446		0.00756	1	03/03/2016 16:40	WG852913
Pyrene	0.646		0.00756	1	03/03/2016 16:40	WG852913
1-Methylnaphthalene	ND		0.0252	1	03/03/2016 16:40	WG852913
2-Methylnaphthalene	ND		0.0252	1	03/03/2016 16:40	WG852913
2-Chloronaphthalene	ND		0.0252	1	03/03/2016 16:40	WG852913
(S) Nitrobenzene-d5	72.6		22.1-146		03/03/2016 16:40	WG852913
(S) 2-Fluorobiphenyl	66.4		40.6-122		03/03/2016 16:40	WG852913
(S) p-Terphenyl-d14	63.6		32.2-131		03/03/2016 16:40	WG852913



Mercury by Method 7470A

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	03/01/2016 17:24	WG852777

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Metals (ICP) by Method 6010C

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Barium,Dissolved	0.0598		0.0450	9	03/03/2016 14:55	WG853484
Cadmium,Dissolved	ND		0.0180	9	03/03/2016 14:55	WG853484
Chromium,Dissolved	ND		0.0900	9	03/03/2016 14:55	WG853484
Lead,Dissolved	ND		0.0450	9	03/03/2016 14:55	WG853484
Selenium,Dissolved	ND		0.0900	9	03/03/2016 14:55	WG853484
Silver,Dissolved	ND		0.0450	9	03/03/2016 14:55	WG853484

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0305		0.0180	9	03/02/2016 13:51	WG852965

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

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	03/02/2016 04:44	WG853218
Acrolein	ND		0.0500	1	03/02/2016 04:44	WG853218
Acrylonitrile	ND		0.0100	1	03/02/2016 04:44	WG853218
Benzene	ND		0.00100	1	03/02/2016 04:44	WG853218
Bromobenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
Bromodichloromethane	ND		0.00100	1	03/02/2016 04:44	WG853218
Bromoform	ND		0.00100	1	03/02/2016 04:44	WG853218
Bromomethane	ND		0.00500	1	03/02/2016 04:44	WG853218
n-Butylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
sec-Butylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
tert-Butylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
Carbon tetrachloride	ND		0.00100	1	03/02/2016 04:44	WG853218
Chlorobenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
Chlorodibromomethane	ND		0.00100	1	03/02/2016 04:44	WG853218
Chloroethane	ND		0.00500	1	03/02/2016 04:44	WG853218
2-Chloroethyl vinyl ether	ND		0.0500	1	03/02/2016 04:44	WG853218
Chloroform	ND		0.00500	1	03/02/2016 04:44	WG853218
Chloromethane	ND		0.00250	1	03/02/2016 04:44	WG853218
2-Chlorotoluene	ND		0.00100	1	03/02/2016 04:44	WG853218
4-Chlorotoluene	ND		0.00100	1	03/02/2016 04:44	WG853218
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	03/02/2016 04:44	WG853218
1,2-Dibromoethane	ND		0.00100	1	03/02/2016 04:44	WG853218
Dibromomethane	ND		0.00100	1	03/02/2016 04:44	WG853218
1,2-Dichlorobenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
1,3-Dichlorobenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
1,4-Dichlorobenzene	ND		0.00100	1	03/02/2016 04:44	WG853218
Dichlorodifluoromethane	ND		0.00500	1	03/02/2016 04:44	WG853218
1,1-Dichloroethane	ND		0.00100	1	03/02/2016 04:44	WG853218
1,2-Dichloroethane	ND		0.00100	1	03/02/2016 04:44	WG853218
1,1-Dichloroethene	ND		0.00100	1	03/02/2016 04:44	WG853218
cis-1,2-Dichloroethene	ND		0.00100	1	03/02/2016 04:44	WG853218
trans-1,2-Dichloroethene	ND		0.00100	1	03/02/2016 04:44	WG853218
1,2-Dichloropropane	ND		0.00100	1	03/02/2016 04:44	WG853218
1,1-Dichloropropene	ND		0.00100	1	03/02/2016 04:44	WG853218



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND		0.00100	1	03/02/2016 04:44	WG853218	¹ Cp
cis-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 04:44	WG853218	² Tc
trans-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 04:44	WG853218	³ Ss
2,2-Dichloropropane	ND		0.00100	1	03/02/2016 04:44	WG853218	⁴ Cn
Di-isopropyl ether	ND		0.00100	1	03/02/2016 04:44	WG853218	⁵ Sr
Ethylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00100	1	03/02/2016 04:44	WG853218	⁷ Gl
Isopropylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	⁸ Al
p-Isopropyltoluene	ND		0.00100	1	03/02/2016 04:44	WG853218	⁹ Sc
2-Butanone (MEK)	ND		0.0100	1	03/02/2016 04:44	WG853218	
Methylene Chloride	ND		0.00500	1	03/02/2016 04:44	WG853218	
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	03/02/2016 04:44	WG853218	
Methyl tert-butyl ether	0.00112		0.00100	1	03/02/2016 04:44	WG853218	
Naphthalene	ND		0.00500	1	03/02/2016 04:44	WG853218	
n-Propylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	
Styrene	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,1,1,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,1,2,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	03/02/2016 04:44	WG853218	
Tetrachloroethene	ND		0.00100	1	03/02/2016 04:44	WG853218	
Toluene	ND		0.00500	1	03/02/2016 04:44	WG853218	
1,2,3-Trichlorobenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,2,4-Trichlorobenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,1,1-Trichloroethane	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,1,2-Trichloroethane	ND		0.00100	1	03/02/2016 04:44	WG853218	
Trichloroethene	ND		0.00100	1	03/02/2016 04:44	WG853218	
Trichlorofluoromethane	ND		0.00500	1	03/02/2016 04:44	WG853218	
1,2,3-Trichloropropane	ND		0.00250	1	03/02/2016 04:44	WG853218	
1,2,4-Trimethylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,2,3-Trimethylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	
1,3,5-Trimethylbenzene	ND		0.00100	1	03/02/2016 04:44	WG853218	
Vinyl chloride	ND		0.00100	1	03/02/2016 04:44	WG853218	
Xylenes, Total	ND		0.00300	1	03/02/2016 04:44	WG853218	
(S) Toluene-d8	102		90.0-115		03/02/2016 04:44	WG853218	
(S) Dibromofluoromethane	103		79.0-121		03/02/2016 04:44	WG853218	
(S) 4-Bromofluorobenzene	99.2		80.1-120		03/02/2016 04:44	WG853218	

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Anthracene	ND		0.000150	3	03/02/2016 09:33	WG852909
Acenaphthene	ND		0.000150	3	03/02/2016 09:33	WG852909
Acenaphthylene	ND		0.000150	3	03/02/2016 09:33	WG852909
Benzo(a)anthracene	ND		0.000150	3	03/02/2016 09:33	WG852909
Benzo(a)pyrene	ND		0.000150	3	03/02/2016 09:33	WG852909
Benzo(b)fluoranthene	ND		0.000150	3	03/02/2016 09:33	WG852909
Benzo(g,h,i)perylene	ND		0.000150	3	03/02/2016 09:33	WG852909
Benzo(k)fluoranthene	ND		0.000150	3	03/02/2016 09:33	WG852909
Chrysene	ND		0.000150	3	03/02/2016 09:33	WG852909
Dibenz(a,h)anthracene	ND		0.000150	3	03/02/2016 09:33	WG852909
Fluoranthene	ND		0.000150	3	03/02/2016 09:33	WG852909
Fluorene	ND		0.000150	3	03/02/2016 09:33	WG852909
Indeno(1,2,3-cd)pyrene	ND		0.000150	3	03/02/2016 09:33	WG852909
Naphthalene	ND		0.000750	3	03/02/2016 09:33	WG852909
Phenanthrene	ND		0.000150	3	03/02/2016 09:33	WG852909
Pyrene	ND		0.000150	3	03/02/2016 09:33	WG852909



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.000750	3	03/02/2016 09:33	WG852909	¹ Cp
2-Methylnaphthalene	ND		0.000750	3	03/02/2016 09:33	WG852909	² Tc
2-Chloronaphthalene	ND		0.000750	3	03/02/2016 09:33	WG852909	³ Ss
(S) Nitrobenzene-d5	74.7		45.1-170		03/02/2016 09:33	WG852909	
(S) 2-Fluorobiphenyl	36.1	<u>J2</u>	57.7-153		03/02/2016 09:33	WG852909	
(S) p-Terphenyl-d14	22.6	<u>J2</u>	53.2-156		03/02/2016 09:33	WG852909	⁴ Cn



Mercury by Method 7470A

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	03/01/2016 17:27	WG852777

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Metals (ICP) by Method 6010C

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Barium,Dissolved	0.0507		0.00500	1	03/03/2016 14:43	WG853484
Cadmium,Dissolved	ND		0.00200	1	03/03/2016 14:43	WG853484
Chromium,Dissolved	ND		0.0100	1	03/03/2016 14:43	WG853484
Lead,Dissolved	0.00790		0.00500	1	03/03/2016 14:43	WG853484
Selenium,Dissolved	ND		0.0100	1	03/03/2016 14:43	WG853484
Silver,Dissolved	ND		0.00500	1	03/03/2016 14:43	WG853484

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	ND		0.00200	1	03/02/2016 13:54	WG852965

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

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	03/02/2016 05:03	WG853218
Acrolein	ND		0.0500	1	03/02/2016 05:03	WG853218
Acrylonitrile	ND		0.0100	1	03/02/2016 05:03	WG853218
Benzene	ND		0.00100	1	03/02/2016 05:03	WG853218
Bromobenzene	ND		0.00100	1	03/02/2016 05:03	WG853218
Bromodichloromethane	ND		0.00100	1	03/02/2016 05:03	WG853218
Bromoform	ND		0.00100	1	03/02/2016 05:03	WG853218
Bromomethane	ND		0.00500	1	03/02/2016 05:03	WG853218
n-Butylbenzene	ND		0.00100	1	03/02/2016 05:03	WG853218
sec-Butylbenzene	0.00122		0.00100	1	03/02/2016 05:03	WG853218
tert-Butylbenzene	ND		0.00100	1	03/02/2016 05:03	WG853218
Carbon tetrachloride	ND		0.00100	1	03/02/2016 05:03	WG853218
Chlorobenzene	ND		0.00100	1	03/02/2016 05:03	WG853218
Chlorodibromomethane	ND		0.00100	1	03/02/2016 05:03	WG853218
Chloroethane	ND		0.00500	1	03/02/2016 05:03	WG853218
2-Chloroethyl vinyl ether	ND		0.0500	1	03/02/2016 05:03	WG853218
Chloroform	ND		0.00500	1	03/02/2016 05:03	WG853218
Chloromethane	ND		0.00250	1	03/02/2016 05:03	WG853218
2-Chlorotoluene	ND		0.00100	1	03/02/2016 05:03	WG853218
4-Chlorotoluene	ND		0.00100	1	03/02/2016 05:03	WG853218
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	03/02/2016 05:03	WG853218
1,2-Dibromoethane	ND		0.00100	1	03/02/2016 05:03	WG853218
Dibromomethane	ND		0.00100	1	03/02/2016 05:03	WG853218
1,2-Dichlorobenzene	0.0199		0.00100	1	03/02/2016 05:03	WG853218
1,3-Dichlorobenzene	ND		0.00100	1	03/02/2016 05:03	WG853218
1,4-Dichlorobenzene	0.00230		0.00100	1	03/02/2016 05:03	WG853218
Dichlorodifluoromethane	ND		0.00500	1	03/02/2016 05:03	WG853218
1,1-Dichloroethane	0.00138		0.00100	1	03/02/2016 05:03	WG853218
1,2-Dichloroethane	ND		0.00100	1	03/02/2016 05:03	WG853218
1,1-Dichloroethene	0.0108		0.00100	1	03/02/2016 05:03	WG853218
cis-1,2-Dichloroethene	4.37		0.100	100	03/03/2016 07:24	WG853413
trans-1,2-Dichloroethene	0.00937		0.00100	1	03/02/2016 05:03	WG853218
1,2-Dichloropropane	ND		0.00100	1	03/02/2016 05:03	WG853218
1,1-Dichloropropene	ND		0.00100	1	03/02/2016 05:03	WG853218



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	
Analyte	mg/l		mg/l				1 Cp
1,3-Dichloropropane	ND		0.00100	1	03/02/2016 05:03	WG853218	
cis-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 05:03	WG853218	
trans-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 05:03	WG853218	
2,2-Dichloropropane	ND		0.00100	1	03/02/2016 05:03	WG853218	
Di-isopropyl ether	ND		0.00100	1	03/02/2016 05:03	WG853218	
Ethylbenzene	0.00201		0.00100	1	03/02/2016 05:03	WG853218	
Hexachloro-1,3-butadiene	ND		0.00100	1	03/02/2016 05:03	WG853218	
Isopropylbenzene	ND		0.00100	1	03/02/2016 05:03	WG853218	
p-Isopropyltoluene	0.00791		0.00100	1	03/02/2016 05:03	WG853218	
2-Butanone (MEK)	ND		0.0100	1	03/02/2016 05:03	WG853218	
Methylene Chloride	ND		0.00500	1	03/02/2016 05:03	WG853218	
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	03/02/2016 05:03	WG853218	
Methyl tert-butyl ether	ND		0.00100	1	03/02/2016 05:03	WG853218	
Naphthalene	ND		0.00500	1	03/02/2016 05:03	WG853218	
n-Propylbenzene	0.00147		0.00100	1	03/02/2016 05:03	WG853218	
Styrene	ND		0.00100	1	03/02/2016 05:03	WG853218	
1,1,1,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 05:03	WG853218	
1,1,2,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 05:03	WG853218	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	03/02/2016 05:03	WG853218	
Tetrachloroethene	34.9		1.00	1000	03/09/2016 15:21	WG854908	
Toluene	0.00705		0.00500	1	03/02/2016 05:03	WG853218	
1,2,3-Trichlorobenzene	ND		0.00100	1	03/02/2016 05:03	WG853218	
1,2,4-Trichlorobenzene	ND		0.00100	1	03/02/2016 05:03	WG853218	
1,1,1-Trichloroethane	ND		0.00100	1	03/02/2016 05:03	WG853218	
1,1,2-Trichloroethane	ND		0.00100	1	03/02/2016 05:03	WG853218	
Trichloroethene	3.36		0.100	100	03/03/2016 07:24	WG853413	
Trichlorofluoromethane	ND		0.00500	1	03/02/2016 05:03	WG853218	
1,2,3-Trichloropropane	ND		0.00250	1	03/02/2016 05:03	WG853218	
1,2,4-Trimethylbenzene	0.0158		0.00100	1	03/02/2016 05:03	WG853218	
1,2,3-Trimethylbenzene	0.00841		0.00100	1	03/02/2016 05:03	WG853218	
1,3,5-Trimethylbenzene	0.00786		0.00100	1	03/02/2016 05:03	WG853218	
Vinyl chloride	0.650		0.100	100	03/03/2016 07:24	WG853413	
Xylenes, Total	0.0103		0.00300	1	03/02/2016 05:03	WG853218	
(S) Toluene-d8	108		90.0-115		03/02/2016 05:03	WG853218	
(S) Dibromofluoromethane	100		79.0-121		03/02/2016 05:03	WG853218	
(S) 4-Bromofluorobenzene	118		80.1-120		03/02/2016 05:03	WG853218	

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l			
Anthracene	0.000661		0.0000500	1	03/02/2016 08:47	WG852909
Acenaphthene	0.00179		0.0000500	1	03/02/2016 08:47	WG852909
Acenaphthylene	ND		0.0000500	1	03/02/2016 08:47	WG852909
Benzo(a)anthracene	0.000580		0.0000500	1	03/02/2016 08:47	WG852909
Benzo(a)pyrene	0.000493		0.0000500	1	03/02/2016 08:47	WG852909
Benzo(b)fluoranthene	0.000647		0.0000500	1	03/02/2016 08:47	WG852909
Benzo(g,h,i)perylene	0.000342		0.0000500	1	03/02/2016 08:47	WG852909
Benzo(k)fluoranthene	0.000212		0.0000500	1	03/02/2016 08:47	WG852909
Chrysene	0.000526		0.0000500	1	03/02/2016 08:47	WG852909
Dibenz(a,h)anthracene	ND		0.0000500	1	03/02/2016 08:47	WG852909
Fluoranthene	0.00156		0.0000500	1	03/02/2016 08:47	WG852909
Fluorene	0.00126		0.0000500	1	03/02/2016 08:47	WG852909
Indeno(1,2,3-cd)pyrene	0.000275		0.0000500	1	03/02/2016 08:47	WG852909
Naphthalene	0.00474		0.000250	1	03/02/2016 08:47	WG852909
Phenanthrene	0.00246		0.0000500	1	03/02/2016 08:47	WG852909
Pyrene	0.00144		0.0000500	1	03/02/2016 08:47	WG852909



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	0.00138		0.000250	1	03/02/2016 08:47	WG852909	¹ Cp
2-Methylnaphthalene	0.00150		0.000250	1	03/02/2016 08:47	WG852909	² Tc
2-Chloronaphthalene	ND		0.000250	1	03/02/2016 08:47	WG852909	³ Ss
(S) Nitrobenzene-d5	86.2		45.1-170		03/02/2016 08:47	WG852909	
(S) 2-Fluorobiphenyl	97.6		57.7-153		03/02/2016 08:47	WG852909	
(S) p-Terphenyl-d14	100		53.2-156		03/02/2016 08:47	WG852909	



Mercury by Method 7470A

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	0.000884		0.000600	3	03/01/2016 17:29	WG852777

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Metals (ICP) by Method 6010C

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Barium,Dissolved	0.361		0.0450	9	03/03/2016 14:58	WG853484
Cadmium,Dissolved	ND		0.0180	9	03/03/2016 14:58	WG853484
Chromium,Dissolved	0.697		0.0900	9	03/03/2016 14:58	WG853484
Lead,Dissolved	0.672		0.0450	9	03/03/2016 14:58	WG853484
Selenium,Dissolved	ND		0.0900	9	03/03/2016 14:58	WG853484
Silver,Dissolved	ND		0.0450	9	03/03/2016 14:58	WG853484

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.166		0.0180	9	03/02/2016 13:56	WG852965

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

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	03/02/2016 05:20	WG853218
Acrolein	ND		0.0500	1	03/02/2016 05:20	WG853218
Acrylonitrile	ND		0.0100	1	03/02/2016 05:20	WG853218
Benzene	ND		0.00100	1	03/02/2016 05:20	WG853218
Bromobenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
Bromodichloromethane	ND		0.00100	1	03/02/2016 05:20	WG853218
Bromoform	ND		0.00100	1	03/02/2016 05:20	WG853218
Bromomethane	ND		0.00500	1	03/02/2016 05:20	WG853218
n-Butylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
sec-Butylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
tert-Butylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
Carbon tetrachloride	ND		0.00100	1	03/02/2016 05:20	WG853218
Chlorobenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
Chlorodibromomethane	ND		0.00100	1	03/02/2016 05:20	WG853218
Chloroethane	ND		0.00500	1	03/02/2016 05:20	WG853218
2-Chloroethyl vinyl ether	ND		0.0500	1	03/02/2016 05:20	WG853218
Chloroform	ND		0.00500	1	03/02/2016 05:20	WG853218
Chloromethane	ND		0.00250	1	03/02/2016 05:20	WG853218
2-Chlorotoluene	ND		0.00100	1	03/02/2016 05:20	WG853218
4-Chlorotoluene	ND		0.00100	1	03/02/2016 05:20	WG853218
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	03/02/2016 05:20	WG853218
1,2-Dibromoethane	ND		0.00100	1	03/02/2016 05:20	WG853218
Dibromomethane	ND		0.00100	1	03/02/2016 05:20	WG853218
1,2-Dichlorobenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
1,3-Dichlorobenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
1,4-Dichlorobenzene	ND		0.00100	1	03/02/2016 05:20	WG853218
Dichlorodifluoromethane	ND		0.00500	1	03/02/2016 05:20	WG853218
1,1-Dichloroethane	ND		0.00100	1	03/02/2016 05:20	WG853218
1,2-Dichloroethane	ND		0.00100	1	03/02/2016 05:20	WG853218
1,1-Dichloroethene	ND		0.00100	1	03/02/2016 05:20	WG853218
cis-1,2-Dichloroethene	ND		0.00100	1	03/03/2016 07:48	WG853413
trans-1,2-Dichloroethene	ND		0.00100	1	03/02/2016 05:20	WG853218
1,2-Dichloropropane	ND		0.00100	1	03/02/2016 05:20	WG853218
1,1-Dichloropropene	ND		0.00100	1	03/02/2016 05:20	WG853218

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	
1,3-Dichloropropane	ND		0.00100	1	03/02/2016 05:20	WG853218	¹ Cp
cis-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 05:20	WG853218	² Tc
trans-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 05:20	WG853218	³ Ss
2,2-Dichloropropane	ND		0.00100	1	03/02/2016 05:20	WG853218	⁴ Cn
Di-isopropyl ether	ND		0.00100	1	03/02/2016 05:20	WG853218	⁵ Sr
Ethylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	⁶ Qc
Hexachloro-1,3-butadiene	ND		0.00100	1	03/02/2016 05:20	WG853218	⁷ Gl
Isopropylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	⁸ Al
p-Isopropyltoluene	ND		0.00100	1	03/02/2016 05:20	WG853218	⁹ Sc
2-Butanone (MEK)	ND		0.0100	1	03/02/2016 05:20	WG853218	
Methylene Chloride	ND		0.00500	1	03/02/2016 05:20	WG853218	
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	03/02/2016 05:20	WG853218	
Methyl tert-butyl ether	ND		0.00100	1	03/02/2016 05:20	WG853218	
Naphthalene	ND		0.00500	1	03/02/2016 05:20	WG853218	
n-Propylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	
Styrene	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,1,1,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,1,2,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	03/02/2016 05:20	WG853218	
Tetrachloroethene	ND		0.00100	1	03/03/2016 07:48	WG853413	
Toluene	ND		0.00500	1	03/02/2016 05:20	WG853218	
1,2,3-Trichlorobenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,2,4-Trichlorobenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,1,1-Trichloroethane	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,1,2-Trichloroethane	ND		0.00100	1	03/02/2016 05:20	WG853218	
Trichloroethene	ND		0.00100	1	03/03/2016 07:48	WG853413	
Trichlorofluoromethane	ND		0.00500	1	03/02/2016 05:20	WG853218	
1,2,3-Trichloropropane	ND		0.00250	1	03/02/2016 05:20	WG853218	
1,2,4-Trimethylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,2,3-Trimethylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	
1,3,5-Trimethylbenzene	ND		0.00100	1	03/02/2016 05:20	WG853218	
Vinyl chloride	ND		0.00100	1	03/02/2016 05:20	WG853218	
Xylenes, Total	ND		0.00300	1	03/02/2016 05:20	WG853218	
(S) Toluene-d8	102		90.0-115		03/02/2016 05:20	WG853218	
(S) Dibromofluoromethane	104		79.0-121		03/02/2016 05:20	WG853218	
(S) 4-Bromofluorobenzene	97.9		80.1-120		03/02/2016 05:20	WG853218	

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Anthracene	0.000251		0.000150	3	03/02/2016 09:56	WG852909
Acenaphthene	0.000597		0.000150	3	03/02/2016 09:56	WG852909
Acenaphthylene	ND		0.000150	3	03/02/2016 09:56	WG852909
Benzo(a)anthracene	ND		0.000150	3	03/02/2016 09:56	WG852909
Benzo(a)pyrene	ND		0.000150	3	03/02/2016 09:56	WG852909
Benzo(b)fluoranthene	ND		0.000150	3	03/02/2016 09:56	WG852909
Benzo(g,h,i)perylene	ND		0.000150	3	03/02/2016 09:56	WG852909
Benzo(k)fluoranthene	ND		0.000150	3	03/02/2016 09:56	WG852909
Chrysene	ND		0.000150	3	03/02/2016 09:56	WG852909
Dibenz(a,h)anthracene	ND		0.000150	3	03/02/2016 09:56	WG852909
Fluoranthene	0.000713		0.000150	3	03/02/2016 09:56	WG852909
Fluorene	0.000175		0.000150	3	03/02/2016 09:56	WG852909
Indeno(1,2,3-cd)pyrene	ND		0.000150	3	03/02/2016 09:56	WG852909
Naphthalene	ND		0.000750	3	03/02/2016 09:56	WG852909
Phenanthrene	0.000949		0.000150	3	03/02/2016 09:56	WG852909
Pyrene	0.000883		0.000150	3	03/02/2016 09:56	WG852909



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	ND		0.000750	3	03/02/2016 09:56	WG852909	¹ Cp
2-Methylnaphthalene	ND		0.000750	3	03/02/2016 09:56	WG852909	² Tc
2-Chloronaphthalene	ND		0.000750	3	03/02/2016 09:56	WG852909	³ Ss
(S) Nitrobenzene-d5	77.8		45.1-170		03/02/2016 09:56	WG852909	
(S) 2-Fluorobiphenyl	23.7	<u>J2</u>	57.7-153		03/02/2016 09:56	WG852909	
(S) p-Terphenyl-d14	6.91	<u>J2</u>	53.2-156		03/02/2016 09:56	WG852909	⁴ Cn



Mercury by Method 7470A

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Mercury,Dissolved	ND		0.000200	1	03/01/2016 17:32	WG852777

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Metals (ICP) by Method 6010C

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Barium,Dissolved	0.194		0.00500	1	03/03/2016 15:01	WG853484
Cadmium,Dissolved	ND		0.00200	1	03/03/2016 15:01	WG853484
Chromium,Dissolved	ND		0.0100	1	03/03/2016 15:01	WG853484
Lead,Dissolved	0.0370		0.00500	1	03/03/2016 15:01	WG853484
Selenium,Dissolved	ND		0.0100	1	03/03/2016 15:01	WG853484
Silver,Dissolved	ND		0.00500	1	03/03/2016 15:01	WG853484

Metals (ICPMS) by Method 6020

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Arsenic,Dissolved	0.0378		0.00200	1	03/02/2016 13:58	WG852965

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

Analyte	Result mg/l	<u>Qualifier</u>	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	ND		0.0500	1	03/02/2016 05:38	WG853218
Acrolein	ND		0.0500	1	03/02/2016 05:38	WG853218
Acrylonitrile	ND		0.0100	1	03/02/2016 05:38	WG853218
Benzene	ND		0.00100	1	03/02/2016 05:38	WG853218
Bromobenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
Bromodichloromethane	ND		0.00100	1	03/02/2016 05:38	WG853218
Bromoform	ND		0.00100	1	03/02/2016 05:38	WG853218
Bromomethane	ND		0.00500	1	03/02/2016 05:38	WG853218
n-Butylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
sec-Butylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
tert-Butylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
Carbon tetrachloride	ND		0.00100	1	03/02/2016 05:38	WG853218
Chlorobenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
Chlorodibromomethane	ND		0.00100	1	03/02/2016 05:38	WG853218
Chloroethane	ND		0.00500	1	03/02/2016 05:38	WG853218
2-Chloroethyl vinyl ether	ND		0.0500	1	03/02/2016 05:38	WG853218
Chloroform	ND		0.00500	1	03/02/2016 05:38	WG853218
Chloromethane	ND		0.00250	1	03/02/2016 05:38	WG853218
2-Chlorotoluene	ND		0.00100	1	03/02/2016 05:38	WG853218
4-Chlorotoluene	ND		0.00100	1	03/02/2016 05:38	WG853218
1,2-Dibromo-3-Chloropropane	ND		0.00500	1	03/02/2016 05:38	WG853218
1,2-Dibromoethane	ND		0.00100	1	03/02/2016 05:38	WG853218
Dibromomethane	ND		0.00100	1	03/02/2016 05:38	WG853218
1,2-Dichlorobenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
1,3-Dichlorobenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
1,4-Dichlorobenzene	ND		0.00100	1	03/02/2016 05:38	WG853218
Dichlorodifluoromethane	ND		0.00500	1	03/02/2016 05:38	WG853218
1,1-Dichloroethane	ND		0.00100	1	03/02/2016 05:38	WG853218
1,2-Dichloroethane	ND		0.00100	1	03/02/2016 05:38	WG853218
1,1-Dichloroethene	ND		0.00100	1	03/02/2016 05:38	WG853218
cis-1,2-Dichloroethene	0.00111		0.00100	1	03/03/2016 08:12	WG853413
trans-1,2-Dichloroethene	ND		0.00100	1	03/02/2016 05:38	WG853218
1,2-Dichloropropane	ND		0.00100	1	03/02/2016 05:38	WG853218
1,1-Dichloropropene	ND		0.00100	1	03/02/2016 05:38	WG853218



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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch	
Analyte	mg/l		mg/l				1 Cp
1,3-Dichloropropane	ND		0.00100	1	03/02/2016 05:38	WG853218	
cis-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 05:38	WG853218	
trans-1,3-Dichloropropene	ND		0.00100	1	03/02/2016 05:38	WG853218	
2,2-Dichloropropane	ND		0.00100	1	03/02/2016 05:38	WG853218	
Di-isopropyl ether	ND		0.00100	1	03/02/2016 05:38	WG853218	
Ethylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
Hexachloro-1,3-butadiene	ND		0.00100	1	03/02/2016 05:38	WG853218	
Isopropylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
p-Isopropyltoluene	0.00391		0.00100	1	03/02/2016 05:38	WG853218	
2-Butanone (MEK)	ND		0.0100	1	03/02/2016 05:38	WG853218	
Methylene Chloride	ND		0.00500	1	03/02/2016 05:38	WG853218	
4-Methyl-2-pentanone (MIBK)	ND		0.0100	1	03/02/2016 05:38	WG853218	
Methyl tert-butyl ether	ND		0.00100	1	03/02/2016 05:38	WG853218	
Naphthalene	ND		0.00500	1	03/02/2016 05:38	WG853218	
n-Propylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
Styrene	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,1,1,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,1,2,2-Tetrachloroethane	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	1	03/02/2016 05:38	WG853218	
Tetrachloroethene	0.0122		0.00100	1	03/03/2016 08:12	WG853413	
Toluene	ND		0.00500	1	03/02/2016 05:38	WG853218	
1,2,3-Trichlorobenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,2,4-Trichlorobenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,1,1-Trichloroethane	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,1,2-Trichloroethane	ND		0.00100	1	03/02/2016 05:38	WG853218	
Trichloroethene	ND		0.00100	1	03/02/2016 05:38	WG853218	
Trichlorofluoromethane	ND		0.00500	1	03/02/2016 05:38	WG853218	
1,2,3-Trichloropropane	ND		0.00250	1	03/02/2016 05:38	WG853218	
1,2,4-Trimethylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,2,3-Trimethylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
1,3,5-Trimethylbenzene	ND		0.00100	1	03/02/2016 05:38	WG853218	
Vinyl chloride	ND		0.00100	1	03/02/2016 05:38	WG853218	
Xylenes, Total	ND		0.00300	1	03/02/2016 05:38	WG853218	
(S) Toluene-d8	102		90.0-115		03/02/2016 05:38	WG853218	
(S) Dibromofluoromethane	100		79.0-121		03/02/2016 05:38	WG853218	
(S) 4-Bromofluorobenzene	96.1		80.1-120		03/02/2016 05:38	WG853218	

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

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Analyte	mg/l		mg/l			
Anthracene	0.000159		0.0000500	1	03/02/2016 09:10	WG852909
Acenaphthene	0.000926		0.0000500	1	03/02/2016 09:10	WG852909
Acenaphthylene	ND		0.0000500	1	03/02/2016 09:10	WG852909
Benzo(a)anthracene	0.000175		0.0000500	1	03/02/2016 09:10	WG852909
Benzo(a)pyrene	0.000151		0.0000500	1	03/02/2016 09:10	WG852909
Benzo(b)fluoranthene	0.000182		0.0000500	1	03/02/2016 09:10	WG852909
Benzo(g,h,i)perylene	0.000104		0.0000500	1	03/02/2016 09:10	WG852909
Benzo(k)fluoranthene	0.0000591		0.0000500	1	03/02/2016 09:10	WG852909
Chrysene	0.000179		0.0000500	1	03/02/2016 09:10	WG852909
Dibenz(a,h)anthracene	ND		0.0000500	1	03/02/2016 09:10	WG852909
Fluoranthene	0.000514		0.0000500	1	03/02/2016 09:10	WG852909
Fluorene	0.000313		0.0000500	1	03/02/2016 09:10	WG852909
Indeno(1,2,3-cd)pyrene	0.0000824		0.0000500	1	03/02/2016 09:10	WG852909
Naphthalene	0.000646		0.000250	1	03/02/2016 09:10	WG852909
Phenanthrene	0.000769		0.0000500	1	03/02/2016 09:10	WG852909
Pyrene	0.000458		0.0000500	1	03/02/2016 09:10	WG852909



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

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
1-Methylnaphthalene	0.00112		0.000250	1	03/02/2016 09:10	WG852909	¹ Cp
2-Methylnaphthalene	ND		0.000250	1	03/02/2016 09:10	WG852909	² Tc
2-Chloronaphthalene	ND		0.000250	1	03/02/2016 09:10	WG852909	³ Ss
(S) Nitrobenzene-d5	102		45.1-170		03/02/2016 09:10	WG852909	
(S) 2-Fluorobiphenyl	95.5		57.7-153		03/02/2016 09:10	WG852909	
(S) p-Terphenyl-d14	90.7		53.2-156		03/02/2016 09:10	WG852909	



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	86.2		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	7.47		0.232	10	03/02/2016 19:35	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	12.1		2.32	1	03/03/2016 02:57	WG853214
Barium	139		0.580	1	03/03/2016 02:57	WG853214
Cadmium	ND		0.580	1	03/03/2016 02:57	WG853214
Chromium	11.3		1.16	1	03/03/2016 02:57	WG853214
Lead	873		0.580	1	03/03/2016 02:57	WG853214
Selenium	ND		2.32	1	03/03/2016 02:57	WG853214
Silver	ND		1.16	1	03/03/2016 02:57	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	195		1.39	200	03/07/2016 18:43	WG853162
Acenaphthene	128		1.39	200	03/07/2016 18:43	WG853162
Acenaphthylene	13.8		1.39	200	03/07/2016 18:43	WG853162
Benz(a)anthracene	223		1.39	200	03/07/2016 18:43	WG853162
Benzo(a)pyrene	196		1.39	200	03/07/2016 18:43	WG853162
Benzo(b)fluoranthene	217		1.39	200	03/07/2016 18:43	WG853162
Benzo(g,h,i)perylene	115		1.39	200	03/07/2016 18:43	WG853162
Benzo(k)fluoranthene	71.7		1.39	200	03/07/2016 18:43	WG853162
Chrysene	165		1.39	200	03/07/2016 18:43	WG853162
Dibenz(a,h)anthracene	29.5		1.39	200	03/07/2016 18:43	WG853162
Fluoranthene	589		1.39	200	03/07/2016 18:43	WG853162
Fluorene	146		1.39	200	03/07/2016 18:43	WG853162
Indeno(1,2,3-cd)pyrene	93.6		1.39	200	03/07/2016 18:43	WG853162
Naphthalene	283		4.64	200	03/07/2016 18:43	WG853162
Phenanthren	877		1.39	200	03/07/2016 18:43	WG853162
Pyrene	555		1.39	200	03/07/2016 18:43	WG853162
1-Methylnaphthalene	59.6		4.64	200	03/07/2016 18:43	WG853162
2-Methylnaphthalene	89.6		4.64	200	03/07/2016 18:43	WG853162
2-Chloronaphthalene	ND		4.64	200	03/07/2016 18:43	WG853162
(S) Nitrobenzene-d5	74.7	J7	22.1-146		03/07/2016 18:43	WG853162
(S) 2-Fluorobiphenyl	95.5	J7	40.6-122		03/07/2016 18:43	WG853162
(S) p-Terphenyl-d14	380	J7	32.2-131		03/07/2016 18:43	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	87.3		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.988		0.0229	1	03/02/2016 16:13	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	5.75		2.29	1	03/03/2016 03:00	WG853214
Barium	48.3		0.572	1	03/03/2016 03:00	WG853214
Cadmium	ND		0.572	1	03/03/2016 03:00	WG853214
Chromium	32.7		1.14	1	03/03/2016 03:00	WG853214
Lead	108		0.572	1	03/03/2016 03:00	WG853214
Selenium	ND		2.29	1	03/03/2016 03:00	WG853214
Silver	ND		1.14	1	03/03/2016 03:00	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.865		0.0687	10	03/07/2016 17:38	WG853162
Acenaphthene	0.318		0.0687	10	03/07/2016 17:38	WG853162
Acenaphthylene	ND		0.0687	10	03/07/2016 17:38	WG853162
Benz(a)anthracene	3.60		0.0687	10	03/07/2016 17:38	WG853162
Benzo(a)pyrene	3.60		0.0687	10	03/07/2016 17:38	WG853162
Benzo(b)fluoranthene	4.64		0.0687	10	03/07/2016 17:38	WG853162
Benzo(g,h,i)perylene	2.40		0.0687	10	03/07/2016 17:38	WG853162
Benzo(k)fluoranthene	1.40		0.0687	10	03/07/2016 17:38	WG853162
Chrysene	3.03		0.0687	10	03/07/2016 17:38	WG853162
Dibenz(a,h)anthracene	0.711		0.0687	10	03/07/2016 17:38	WG853162
Fluoranthene	6.45		0.0687	10	03/07/2016 17:38	WG853162
Fluorene	0.401		0.0687	10	03/07/2016 17:38	WG853162
Indeno(1,2,3-cd)pyrene	2.09		0.0687	10	03/07/2016 17:38	WG853162
Naphthalene	0.293		0.229	10	03/07/2016 17:38	WG853162
Phenanthren	3.34		0.0687	10	03/07/2016 17:38	WG853162
Pyrene	6.39		0.0687	10	03/07/2016 17:38	WG853162
1-Methylnaphthalene	ND		0.229	10	03/07/2016 17:38	WG853162
2-Methylnaphthalene	ND		0.229	10	03/07/2016 17:38	WG853162
2-Chloronaphthalene	ND		0.229	10	03/07/2016 17:38	WG853162
(S) Nitrobenzene-d5	67.6		22.1-146		03/07/2016 17:38	WG853162
(S) 2-Fluorobiphenyl	79.1		40.6-122		03/07/2016 17:38	WG853162
(S) p-Terphenyl-d14	77.7		32.2-131		03/07/2016 17:38	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	78.4		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.130		0.0255	1	03/02/2016 16:15	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	23.5		2.55	1	03/03/2016 03:02	WG853214
Barium	136		0.638	1	03/03/2016 03:02	WG853214
Cadmium	1.20		0.638	1	03/03/2016 03:02	WG853214
Chromium	74.8		1.28	1	03/03/2016 03:02	WG853214
Lead	1350		0.638	1	03/03/2016 03:02	WG853214
Selenium	ND		2.55	1	03/03/2016 03:02	WG853214
Silver	ND		1.28	1	03/03/2016 03:02	WG853214

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.144		0.00766	1	03/07/2016 14:45	WG853162
Acenaphthene	0.0916		0.00766	1	03/07/2016 14:45	WG853162
Acenaphthylene	0.0183		0.00766	1	03/07/2016 14:45	WG853162
Benz(a)anthracene	0.194		0.00766	1	03/07/2016 14:45	WG853162
Benzo(a)pyrene	0.161		0.00766	1	03/07/2016 14:45	WG853162
Benzo(b)fluoranthene	0.199		0.00766	1	03/07/2016 14:45	WG853162
Benzo(g,h,i)perylene	0.110		0.00766	1	03/07/2016 14:45	WG853162
Benzo(k)fluoranthene	0.0614		0.00766	1	03/07/2016 14:45	WG853162
Chrysene	0.179		0.00766	1	03/07/2016 14:45	WG853162
Dibenz(a,h)anthracene	0.0269		0.00766	1	03/07/2016 14:45	WG853162
Fluoranthene	0.548		0.00766	1	03/07/2016 14:45	WG853162
Fluorene	0.107		0.00766	1	03/07/2016 14:45	WG853162
Indeno(1,2,3-cd)pyrene	0.0827		0.00766	1	03/07/2016 14:45	WG853162
Naphthalene	0.232		0.0255	1	03/07/2016 14:45	WG853162
Phenanthrone	0.623		0.00766	1	03/07/2016 14:45	WG853162
Pyrene	0.511		0.00766	1	03/07/2016 14:45	WG853162
1-Methylnaphthalene	0.0789		0.0255	1	03/07/2016 14:45	WG853162
2-Methylnaphthalene	0.111		0.0255	1	03/07/2016 14:45	WG853162
2-Chloronaphthalene	ND		0.0255	1	03/07/2016 14:45	WG853162
(S) Nitrobenzene-d5	55.4		22.1-146		03/07/2016 14:45	WG853162
(S) 2-Fluorobiphenyl	64.1		40.6-122		03/07/2016 14:45	WG853162
(S) p-Terphenyl-d14	58.4		32.2-131		03/07/2016 14:45	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	77.9		1	02/29/2016 13:10	WG852833

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	13.0		0.514	20	03/02/2016 19:37	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	20.7		2.57	1	03/03/2016 03:05	WG853214
Barium	171		0.642	1	03/03/2016 03:05	WG853214
Cadmium	ND		0.642	1	03/03/2016 03:05	WG853214
Chromium	16.8		1.28	1	03/03/2016 03:05	WG853214
Lead	700		0.642	1	03/03/2016 03:05	WG853214
Selenium	ND		2.57	1	03/03/2016 03:05	WG853214
Silver	ND		1.28	1	03/03/2016 03:05	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.708		0.0385	5	03/07/2016 16:55	WG853162
Acenaphthene	0.290		0.0385	5	03/07/2016 16:55	WG853162
Acenaphthylene	ND		0.0385	5	03/07/2016 16:55	WG853162
Benz(a)anthracene	2.40		0.0385	5	03/07/2016 16:55	WG853162
Benzo(a)pyrene	2.32		0.0385	5	03/07/2016 16:55	WG853162
Benzo(b)fluoranthene	2.66		0.0385	5	03/07/2016 16:55	WG853162
Benzo(g,h,i)perylene	1.53		0.0385	5	03/07/2016 16:55	WG853162
Benzo(k)fluoranthene	0.953		0.0385	5	03/07/2016 16:55	WG853162
Chrysene	2.01		0.0385	5	03/07/2016 16:55	WG853162
Dibenz(a,h)anthracene	0.394		0.0385	5	03/07/2016 16:55	WG853162
Fluoranthene	4.67		0.0385	5	03/07/2016 16:55	WG853162
Fluorene	0.312		0.0385	5	03/07/2016 16:55	WG853162
Indeno(1,2,3-cd)pyrene	1.27		0.0385	5	03/07/2016 16:55	WG853162
Naphthalene	0.716		0.128	5	03/07/2016 16:55	WG853162
Phenanthrene	2.71		0.0385	5	03/07/2016 16:55	WG853162
Pyrene	4.83		0.0385	5	03/07/2016 16:55	WG853162
1-Methylnaphthalene	0.331		0.128	5	03/07/2016 16:55	WG853162
2-Methylnaphthalene	0.483		0.128	5	03/07/2016 16:55	WG853162
2-Chloronaphthalene	ND		0.128	5	03/07/2016 16:55	WG853162
(S) Nitrobenzene-d5	46.7		22.1-146		03/07/2016 16:55	WG853162
(S) 2-Fluorobiphenyl	64.3		40.6-122		03/07/2016 16:55	WG853162
(S) p-Terphenyl-d14	57.7		32.2-131		03/07/2016 16:55	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	82.4		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.645		0.0243	1	03/02/2016 16:26	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	6.71		2.43	1	03/03/2016 03:08	WG853214
Barium	60.0		0.607	1	03/03/2016 03:08	WG853214
Cadmium	1.87		0.607	1	03/03/2016 03:08	WG853214
Chromium	252		1.21	1	03/03/2016 03:08	WG853214
Lead	124		0.607	1	03/03/2016 03:08	WG853214
Selenium	ND		2.43	1	03/03/2016 03:08	WG853214
Silver	ND		1.21	1	03/03/2016 03:08	WG853214

⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0679		0.00728	1	03/07/2016 15:50	WG853162
Acenaphthene	0.0354		0.00728	1	03/07/2016 15:50	WG853162
Acenaphthylene	ND		0.00728	1	03/07/2016 15:50	WG853162
Benz(a)anthracene	0.231		0.00728	1	03/07/2016 15:50	WG853162
Benzo(a)pyrene	0.228		0.00728	1	03/07/2016 15:50	WG853162
Benzo(b)fluoranthene	0.295		0.00728	1	03/07/2016 15:50	WG853162
Benzo(g,h,i)perylene	0.159		0.00728	1	03/07/2016 15:50	WG853162
Benzo(k)fluoranthene	0.0781		0.00728	1	03/07/2016 15:50	WG853162
Chrysene	0.215		0.00728	1	03/07/2016 15:50	WG853162
Dibenz(a,h)anthracene	0.0423		0.00728	1	03/07/2016 15:50	WG853162
Fluoranthene	0.432		0.00728	1	03/07/2016 15:50	WG853162
Fluorene	0.0352		0.00728	1	03/07/2016 15:50	WG853162
Indeno(1,2,3-cd)pyrene	0.126		0.00728	1	03/07/2016 15:50	WG853162
Naphthalene	0.108		0.0243	1	03/07/2016 15:50	WG853162
Phenanthrene	0.328		0.00728	1	03/07/2016 15:50	WG853162
Pyrene	0.478		0.00728	1	03/07/2016 15:50	WG853162
1-Methylnaphthalene	ND		0.0243	1	03/07/2016 15:50	WG853162
2-Methylnaphthalene	0.0345		0.0243	1	03/07/2016 15:50	WG853162
2-Chloronaphthalene	ND		0.0243	1	03/07/2016 15:50	WG853162
(S) Nitrobenzene-d5	63.5		22.1-146		03/07/2016 15:50	WG853162
(S) 2-Fluorobiphenyl	80.5		40.6-122		03/07/2016 15:50	WG853162
(S) p-Terphenyl-d14	78.8		32.2-131		03/07/2016 15:50	WG853162

² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	76.1		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	ND		0.0263	1	03/02/2016 16:29	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	6.22		2.63	1	03/03/2016 03:11	WG853214
Barium	309		0.657	1	03/03/2016 03:11	WG853214
Cadmium	ND		0.657	1	03/03/2016 03:11	WG853214
Chromium	14.2		1.31	1	03/03/2016 03:11	WG853214
Lead	3720		0.657	1	03/03/2016 03:11	WG853214
Selenium	ND		2.63	1	03/03/2016 03:11	WG853214
Silver	ND		1.31	1	03/03/2016 03:11	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	49.9		6.31	800	03/07/2016 19:04	WG853162
Acenaphthene	30.8		6.31	800	03/07/2016 19:04	WG853162
Acenaphthylene	ND		6.31	800	03/07/2016 19:04	WG853162
Benz(a)anthracene	54.5		6.31	800	03/07/2016 19:04	WG853162
Benzo(a)pyrene	47.0		6.31	800	03/07/2016 19:04	WG853162
Benzo(b)fluoranthene	54.0		6.31	800	03/07/2016 19:04	WG853162
Benzo(g,h,i)perylene	28.0		6.31	800	03/07/2016 19:04	WG853162
Benzo(k)fluoranthene	15.9		6.31	800	03/07/2016 19:04	WG853162
Chrysene	41.9		6.31	800	03/07/2016 19:04	WG853162
Dibenz(a,h)anthracene	6.60		6.31	800	03/07/2016 19:04	WG853162
Fluoranthene	137		6.31	800	03/07/2016 19:04	WG853162
Fluorene	35.4		6.31	800	03/07/2016 19:04	WG853162
Indeno(1,2,3-cd)pyrene	22.2		6.31	800	03/07/2016 19:04	WG853162
Naphthalene	69.3		21.0	800	03/07/2016 19:04	WG853162
Phenanthenrene	189		6.31	800	03/07/2016 19:04	WG853162
Pyrene	132		6.31	800	03/07/2016 19:04	WG853162
1-Methylnaphthalene	ND		21.0	800	03/07/2016 19:04	WG853162
2-Methylnaphthalene	ND		21.0	800	03/07/2016 19:04	WG853162
2-Chloronaphthalene	ND		21.0	800	03/07/2016 19:04	WG853162
(S) Nitrobenzene-d5	290	J7	22.1-146		03/07/2016 19:04	WG853162
(S) 2-Fluorobiphenyl	381	J7	40.6-122		03/07/2016 19:04	WG853162
(S) p-Terphenyl-d14	513	J7	32.2-131		03/07/2016 19:04	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	73.6		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	2.41		0.136	5	03/02/2016 19:40	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	11.4		2.72	1	03/03/2016 03:14	WG853214
Barium	231		0.679	1	03/03/2016 03:14	WG853214
Cadmium	1.41		0.679	1	03/03/2016 03:14	WG853214
Chromium	19.9		1.36	1	03/03/2016 03:14	WG853214
Lead	792		0.679	1	03/03/2016 03:14	WG853214
Selenium	ND		2.72	1	03/03/2016 03:14	WG853214
Silver	ND		1.36	1	03/03/2016 03:14	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	1.67		0.163	20	03/07/2016 18:21	WG853162
Acenaphthene	0.579		0.163	20	03/07/2016 18:21	WG853162
Acenaphthylene	ND		0.163	20	03/07/2016 18:21	WG853162
Benz(a)anthracene	4.45		0.163	20	03/07/2016 18:21	WG853162
Benzo(a)pyrene	4.03		0.163	20	03/07/2016 18:21	WG853162
Benzo(b)fluoranthene	4.77		0.163	20	03/07/2016 18:21	WG853162
Benzo(g,h,i)perylene	2.59		0.163	20	03/07/2016 18:21	WG853162
Benzo(k)fluoranthene	1.20		0.163	20	03/07/2016 18:21	WG853162
Chrysene	3.62		0.163	20	03/07/2016 18:21	WG853162
Dibenz(a,h)anthracene	0.650		0.163	20	03/07/2016 18:21	WG853162
Fluoranthene	8.24		0.163	20	03/07/2016 18:21	WG853162
Fluorene	0.762		0.163	20	03/07/2016 18:21	WG853162
Indeno(1,2,3-cd)pyrene	2.09		0.163	20	03/07/2016 18:21	WG853162
Naphthalene	0.900		0.543	20	03/07/2016 18:21	WG853162
Phenanthrene	5.95		0.163	20	03/07/2016 18:21	WG853162
Pyrene	8.98		0.163	20	03/07/2016 18:21	WG853162
1-Methylnaphthalene	ND		0.543	20	03/07/2016 18:21	WG853162
2-Methylnaphthalene	ND		0.543	20	03/07/2016 18:21	WG853162
2-Chloronaphthalene	ND		0.543	20	03/07/2016 18:21	WG853162
(S) Nitrobenzene-d5	30.3	J7	22.1-146		03/07/2016 18:21	WG853162
(S) 2-Fluorobiphenyl	30.8	J7	40.6-122		03/07/2016 18:21	WG853162
(S) p-Terphenyl-d14	35.6	J7	32.2-131		03/07/2016 18:21	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	83.8		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.172		0.0239	1	03/02/2016 16:34	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	12.7		2.39	1	03/03/2016 02:14	WG853214
Barium	50.4		0.597	1	03/03/2016 02:14	WG853214
Cadmium	ND		0.597	1	03/03/2016 02:14	WG853214
Chromium	29.5		1.19	1	03/03/2016 02:14	WG853214
Lead	35.3		0.597	1	03/03/2016 02:14	WG853214
Selenium	ND		2.39	1	03/03/2016 02:14	WG853214
Silver	ND		1.19	1	03/03/2016 02:14	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0119		0.00716	1	03/07/2016 12:13	WG853162
Acenaphthene	0.00966		0.00716	1	03/07/2016 12:13	WG853162
Acenaphthylene	ND		0.00716	1	03/07/2016 12:13	WG853162
Benzo(a)anthracene	0.0274		0.00716	1	03/07/2016 12:13	WG853162
Benzo(a)pyrene	0.0255		0.00716	1	03/07/2016 12:13	WG853162
Benzo(b)fluoranthene	0.0314		0.00716	1	03/07/2016 12:13	WG853162
Benzo(g,h,i)perylene	0.0190		0.00716	1	03/07/2016 12:13	WG853162
Benzo(k)fluoranthene	0.00794		0.00716	1	03/07/2016 12:13	WG853162
Chrysene	0.0230		0.00716	1	03/07/2016 12:13	WG853162
Dibenz(a,h)anthracene	ND		0.00716	1	03/07/2016 12:13	WG853162
Fluoranthene	0.0540		0.00716	1	03/07/2016 12:13	WG853162
Fluorene	0.00834		0.00716	1	03/07/2016 12:13	WG853162
Indeno(1,2,3-cd)pyrene	0.0148		0.00716	1	03/07/2016 12:13	WG853162
Naphthalene	ND		0.0239	1	03/07/2016 12:13	WG853162
Phenanthrene	0.0460		0.00716	1	03/07/2016 12:13	WG853162
Pyrene	0.0592		0.00716	1	03/07/2016 12:13	WG853162
1-Methylnaphthalene	ND		0.0239	1	03/07/2016 12:13	WG853162
2-Methylnaphthalene	ND		0.0239	1	03/07/2016 12:13	WG853162
2-Chloronaphthalene	ND		0.0239	1	03/07/2016 12:13	WG853162
(S) Nitrobenzene-d5	89.6		22.1-146		03/07/2016 12:13	WG853162
(S) 2-Fluorobiphenyl	83.7		40.6-122		03/07/2016 12:13	WG853162
(S) p-Terphenyl-d14	85.1		32.2-131		03/07/2016 12:13	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	72.6		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	3.56		0.138	5	03/02/2016 19:42	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	13.8		2.75	1	03/03/2016 03:16	WG853214
Barium	384		0.688	1	03/03/2016 03:16	WG853214
Cadmium	ND		0.688	1	03/03/2016 03:16	WG853214
Chromium	20.6		1.38	1	03/03/2016 03:16	WG853214
Lead	578		0.688	1	03/03/2016 03:16	WG853214
Selenium	4.03		2.75	1	03/03/2016 03:16	WG853214
Silver	ND		1.38	1	03/03/2016 03:16	WG853214

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.167		0.00826	1	03/07/2016 15:28	WG853162
Acenaphthene	0.111		0.00826	1	03/07/2016 15:28	WG853162
Acenaphthylene	0.0139		0.00826	1	03/07/2016 15:28	WG853162
Benz(a)anthracene	0.317		0.00826	1	03/07/2016 15:28	WG853162
Benzo(a)pyrene	0.287		0.00826	1	03/07/2016 15:28	WG853162
Benzo(b)fluoranthene	0.339		0.00826	1	03/07/2016 15:28	WG853162
Benzo(g,h,i)perylene	0.186		0.00826	1	03/07/2016 15:28	WG853162
Benzo(k)fluoranthene	0.101		0.00826	1	03/07/2016 15:28	WG853162
Chrysene	0.293		0.00826	1	03/07/2016 15:28	WG853162
Dibenz(a,h)anthracene	0.0481		0.00826	1	03/07/2016 15:28	WG853162
Fluoranthene	0.713		0.00826	1	03/07/2016 15:28	WG853162
Fluorene	0.115		0.00826	1	03/07/2016 15:28	WG853162
Indeno(1,2,3-cd)pyrene	0.144		0.00826	1	03/07/2016 15:28	WG853162
Naphthalene	0.389		0.0275	1	03/07/2016 15:28	WG853162
Phenanthrene	0.811		0.00826	1	03/07/2016 15:28	WG853162
Pyrene	0.789		0.00826	1	03/07/2016 15:28	WG853162
1-Methylnaphthalene	0.0789		0.0275	1	03/07/2016 15:28	WG853162
2-Methylnaphthalene	0.131		0.0275	1	03/07/2016 15:28	WG853162
2-Chloronaphthalene	ND		0.0275	1	03/07/2016 15:28	WG853162
(S) Nitrobenzene-d5	61.9		22.1-146		03/07/2016 15:28	WG853162
(S) 2-Fluorobiphenyl	84.9		40.6-122		03/07/2016 15:28	WG853162
(S) p-Terphenyl-d14	86.0		32.2-131		03/07/2016 15:28	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	88.5		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.178		0.0226	1	03/02/2016 16:39	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	7.72		2.26	1	03/03/2016 03:19	WG853214
Barium	290		0.565	1	03/03/2016 03:19	WG853214
Cadmium	1.51		0.565	1	03/03/2016 03:19	WG853214
Chromium	23.4		1.13	1	03/03/2016 03:19	WG853214
Lead	817		0.565	1	03/03/2016 03:19	WG853214
Selenium	ND		2.26	1	03/03/2016 03:19	WG853214
Silver	ND		1.13	1	03/03/2016 03:19	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0427		0.00678	1	03/07/2016 15:07	WG853162
Acenaphthene	0.0357		0.00678	1	03/07/2016 15:07	WG853162
Acenaphthylene	ND		0.00678	1	03/07/2016 15:07	WG853162
Benz(a)anthracene	0.179		0.00678	1	03/07/2016 15:07	WG853162
Benzo(a)pyrene	0.205		0.00678	1	03/07/2016 15:07	WG853162
Benzo(b)fluoranthene	0.253		0.00678	1	03/07/2016 15:07	WG853162
Benzo(g,h,i)perylene	0.164		0.00678	1	03/07/2016 15:07	WG853162
Benzo(k)fluoranthene	0.0732		0.00678	1	03/07/2016 15:07	WG853162
Chrysene	0.158		0.00678	1	03/07/2016 15:07	WG853162
Dibenz(a,h)anthracene	0.0407		0.00678	1	03/07/2016 15:07	WG853162
Fluoranthene	0.297		0.00678	1	03/07/2016 15:07	WG853162
Fluorene	0.0264		0.00678	1	03/07/2016 15:07	WG853162
Indeno(1,2,3-cd)pyrene	0.127		0.00678	1	03/07/2016 15:07	WG853162
Naphthalene	0.0390		0.0226	1	03/07/2016 15:07	WG853162
Phenanthenrene	0.205		0.00678	1	03/07/2016 15:07	WG853162
Pyrene	0.313		0.00678	1	03/07/2016 15:07	WG853162
1-Methylnaphthalene	ND		0.0226	1	03/07/2016 15:07	WG853162
2-Methylnaphthalene	ND		0.0226	1	03/07/2016 15:07	WG853162
2-Chloronaphthalene	ND		0.0226	1	03/07/2016 15:07	WG853162
(S) Nitrobenzene-d5	76.5		22.1-146		03/07/2016 15:07	WG853162
(S) 2-Fluorobiphenyl	82.8		40.6-122		03/07/2016 15:07	WG853162
(S) p-Terphenyl-d14	83.5		32.2-131		03/07/2016 15:07	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	87.9		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.246		0.0228	1	03/02/2016 16:41	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	3.00		2.28	1	03/03/2016 03:22	WG853214
Barium	45.8		0.569	1	03/03/2016 03:22	WG853214
Cadmium	ND		0.569	1	03/03/2016 03:22	WG853214
Chromium	17.3		1.14	1	03/03/2016 03:22	WG853214
Lead	41.1		0.569	1	03/03/2016 03:22	WG853214
Selenium	ND		2.28	1	03/03/2016 03:22	WG853214
Silver	ND		1.14	1	03/03/2016 03:22	WG853214

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	ND		0.00683	1	03/07/2016 12:35	WG853162
Acenaphthene	ND		0.00683	1	03/07/2016 12:35	WG853162
Acenaphthylene	ND		0.00683	1	03/07/2016 12:35	WG853162
Benz(a)anthracene	ND		0.00683	1	03/07/2016 12:35	WG853162
Benzo(a)pyrene	ND		0.00683	1	03/07/2016 12:35	WG853162
Benzo(b)fluoranthene	ND		0.00683	1	03/07/2016 12:35	WG853162
Benzo(g,h,i)perylene	ND		0.00683	1	03/07/2016 12:35	WG853162
Benzo(k)fluoranthene	ND		0.00683	1	03/07/2016 12:35	WG853162
Chrysene	ND		0.00683	1	03/07/2016 12:35	WG853162
Dibenz(a,h)anthracene	ND		0.00683	1	03/07/2016 12:35	WG853162
Fluoranthene	ND		0.00683	1	03/07/2016 12:35	WG853162
Fluorene	ND		0.00683	1	03/07/2016 12:35	WG853162
Indeno(1,2,3-cd)pyrene	ND		0.00683	1	03/07/2016 12:35	WG853162
Naphthalene	ND		0.0228	1	03/07/2016 12:35	WG853162
Phenanthrone	ND		0.00683	1	03/07/2016 12:35	WG853162
Pyrene	ND		0.00683	1	03/07/2016 12:35	WG853162
1-Methylnaphthalene	ND		0.0228	1	03/07/2016 12:35	WG853162
2-Methylnaphthalene	ND		0.0228	1	03/07/2016 12:35	WG853162
2-Chloronaphthalene	ND		0.0228	1	03/07/2016 12:35	WG853162
(S) Nitrobenzene-d5	89.7		22.1-146		03/07/2016 12:35	WG853162
(S) 2-Fluorobiphenyl	82.7		40.6-122		03/07/2016 12:35	WG853162
(S) p-Terphenyl-d14	82.0		32.2-131		03/07/2016 12:35	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	84.6		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.419		0.0236	1	03/02/2016 16:44	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	5.01		2.36	1	03/03/2016 03:30	WG853214
Barium	191		0.591	1	03/03/2016 03:30	WG853214
Cadmium	ND		0.591	1	03/03/2016 03:30	WG853214
Chromium	14.6		1.18	1	03/03/2016 03:30	WG853214
Lead	119		0.591	1	03/03/2016 03:30	WG853214
Selenium	ND		2.36	1	03/03/2016 03:30	WG853214
Silver	ND		1.18	1	03/03/2016 03:30	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0662		0.00709	1	03/07/2016 14:02	WG853162
Acenaphthene	0.0289		0.00709	1	03/07/2016 14:02	WG853162
Acenaphthylene	ND		0.00709	1	03/07/2016 14:02	WG853162
Benz(a)anthracene	0.156		0.00709	1	03/07/2016 14:02	WG853162
Benzo(a)pyrene	0.135		0.00709	1	03/07/2016 14:02	WG853162
Benzo(b)fluoranthene	0.148		0.00709	1	03/07/2016 14:02	WG853162
Benzo(g,h,i)perylene	0.0820		0.00709	1	03/07/2016 14:02	WG853162
Benzo(k)fluoranthene	0.0398		0.00709	1	03/07/2016 14:02	WG853162
Chrysene	0.144		0.00709	1	03/07/2016 14:02	WG853162
Dibenz(a,h)anthracene	0.0215		0.00709	1	03/07/2016 14:02	WG853162
Fluoranthene	0.309		0.00709	1	03/07/2016 14:02	WG853162
Fluorene	0.0321		0.00709	1	03/07/2016 14:02	WG853162
Indeno(1,2,3-cd)pyrene	0.0612		0.00709	1	03/07/2016 14:02	WG853162
Naphthalene	0.0812		0.0236	1	03/07/2016 14:02	WG853162
Phenanthrene	0.284		0.00709	1	03/07/2016 14:02	WG853162
Pyrene	0.374		0.00709	1	03/07/2016 14:02	WG853162
1-Methylnaphthalene	0.0263		0.0236	1	03/07/2016 14:02	WG853162
2-Methylnaphthalene	0.0394		0.0236	1	03/07/2016 14:02	WG853162
2-Chloronaphthalene	ND		0.0236	1	03/07/2016 14:02	WG853162
(S) Nitrobenzene-d5	70.9		22.1-146		03/07/2016 14:02	WG853162
(S) 2-Fluorobiphenyl	80.0		40.6-122		03/07/2016 14:02	WG853162
(S) p-Terphenyl-d14	78.1		32.2-131		03/07/2016 14:02	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	78.4		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.0377		0.0255	1	03/02/2016 16:46	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	10.5		2.55	1	03/03/2016 03:33	WG853214
Barium	165		0.638	1	03/03/2016 03:33	WG853214
Cadmium	ND		0.638	1	03/03/2016 03:33	WG853214
Chromium	18.8		1.28	1	03/03/2016 03:33	WG853214
Lead	332		0.638	1	03/03/2016 03:33	WG853214
Selenium	ND		2.55	1	03/03/2016 03:33	WG853214
Silver	ND		1.28	1	03/03/2016 03:33	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	ND		0.00766	1	03/07/2016 12:57	WG853162
Acenaphthene	ND		0.00766	1	03/07/2016 12:57	WG853162
Acenaphthylene	ND		0.00766	1	03/07/2016 12:57	WG853162
Benz(a)anthracene	0.0138		0.00766	1	03/07/2016 12:57	WG853162
Benzo(a)pyrene	0.0162		0.00766	1	03/07/2016 12:57	WG853162
Benzo(b)fluoranthene	0.0165		0.00766	1	03/07/2016 12:57	WG853162
Benzo(g,h,i)perylene	0.0103		0.00766	1	03/07/2016 12:57	WG853162
Benzo(k)fluoranthene	ND		0.00766	1	03/07/2016 12:57	WG853162
Chrysene	0.0125		0.00766	1	03/07/2016 12:57	WG853162
Dibenz(a,h)anthracene	ND		0.00766	1	03/07/2016 12:57	WG853162
Fluoranthene	0.0189		0.00766	1	03/07/2016 12:57	WG853162
Fluorene	ND		0.00766	1	03/07/2016 12:57	WG853162
Indeno(1,2,3-cd)pyrene	ND		0.00766	1	03/07/2016 12:57	WG853162
Naphthalene	ND		0.0255	1	03/07/2016 12:57	WG853162
Phenanthrone	ND		0.00766	1	03/07/2016 12:57	WG853162
Pyrene	0.0340		0.00766	1	03/07/2016 12:57	WG853162
1-Methylnaphthalene	ND		0.0255	1	03/07/2016 12:57	WG853162
2-Methylnaphthalene	ND		0.0255	1	03/07/2016 12:57	WG853162
2-Chloronaphthalene	ND		0.0255	1	03/07/2016 12:57	WG853162
(S) Nitrobenzene-d5	90.6		22.1-146		03/07/2016 12:57	WG853162
(S) 2-Fluorobiphenyl	86.7		40.6-122		03/07/2016 12:57	WG853162
(S) p-Terphenyl-d14	83.2		32.2-131		03/07/2016 12:57	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	87.7		1	03/01/2016 09:28	WG852835

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.0439	J3 J5 O1	0.0228	1	03/02/2016 15:42	WG853064

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	7.81		2.28	1	03/03/2016 03:36	WG853214
Barium	43.9		0.570	1	03/03/2016 03:36	WG853214
Cadmium	ND		0.570	1	03/03/2016 03:36	WG853214
Chromium	17.1		1.14	1	03/03/2016 03:36	WG853214
Lead	67.2		0.570	1	03/03/2016 03:36	WG853214
Selenium	ND		2.28	1	03/03/2016 03:36	WG853214
Silver	ND		1.14	1	03/03/2016 03:36	WG853214

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.174		0.0342	5	03/07/2016 16:11	WG853162
Acenaphthene	0.0850		0.0342	5	03/07/2016 16:11	WG853162
Acenaphthylene	ND		0.0342	5	03/07/2016 16:11	WG853162
Benz(a)anthracene	0.440		0.0342	5	03/07/2016 16:11	WG853162
Benzo(a)pyrene	0.355		0.0342	5	03/07/2016 16:11	WG853162
Benzo(b)fluoranthene	0.415		0.0342	5	03/07/2016 16:11	WG853162
Benzo(g,h,i)perylene	0.198		0.0342	5	03/07/2016 16:11	WG853162
Benzo(k)fluoranthene	0.113		0.0342	5	03/07/2016 16:11	WG853162
Chrysene	0.348		0.0342	5	03/07/2016 16:11	WG853162
Dibenz(a,h)anthracene	0.0594		0.0342	5	03/07/2016 16:11	WG853162
Fluoranthene	0.753		0.0342	5	03/07/2016 16:11	WG853162
Fluorene	0.0760		0.0342	5	03/07/2016 16:11	WG853162
Indeno(1,2,3-cd)pyrene	0.158		0.0342	5	03/07/2016 16:11	WG853162
Naphthalene	ND		0.114	5	03/07/2016 16:11	WG853162
Phenanthrene	0.684		0.0342	5	03/07/2016 16:11	WG853162
Pyrene	0.813		0.0342	5	03/07/2016 16:11	WG853162
1-Methylnaphthalene	ND		0.114	5	03/07/2016 16:11	WG853162
2-Methylnaphthalene	ND		0.114	5	03/07/2016 16:11	WG853162
2-Chloronaphthalene	ND		0.114	5	03/07/2016 16:11	WG853162
(S) Nitrobenzene-d5	71.2		22.1-146		03/07/2016 16:11	WG853162
(S) 2-Fluorobiphenyl	77.1		40.6-122		03/07/2016 16:11	WG853162
(S) p-Terphenyl-d14	70.5		32.2-131		03/07/2016 16:11	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	80.3		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.283		0.0249	1	03/04/2016 16:47	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	8.39		2.49	1	03/02/2016 23:06	WG853308
Barium	134		0.623	1	03/02/2016 23:06	WG853308
Cadmium	0.706		0.623	1	03/02/2016 23:06	WG853308
Chromium	14.0		1.25	1	03/02/2016 23:06	WG853308
Lead	198		0.623	1	03/02/2016 23:06	WG853308
Selenium	2.53		2.49	1	03/02/2016 23:06	WG853308
Silver	ND		1.25	1	03/02/2016 23:06	WG853308

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.124		0.00747	1	03/07/2016 14:23	WG853162
Acenaphthene	0.0510		0.00747	1	03/07/2016 14:23	WG853162
Acenaphthylene	ND		0.00747	1	03/07/2016 14:23	WG853162
Benz(a)anthracene	0.264		0.00747	1	03/07/2016 14:23	WG853162
Benzo(a)pyrene	0.228		0.00747	1	03/07/2016 14:23	WG853162
Benzo(b)fluoranthene	0.266		0.00747	1	03/07/2016 14:23	WG853162
Benzo(g,h,i)perylene	0.140		0.00747	1	03/07/2016 14:23	WG853162
Benzo(k)fluoranthene	0.0672		0.00747	1	03/07/2016 14:23	WG853162
Chrysene	0.226		0.00747	1	03/07/2016 14:23	WG853162
Dibenz(a,h)anthracene	0.0354		0.00747	1	03/07/2016 14:23	WG853162
Fluoranthene	0.555		0.00747	1	03/07/2016 14:23	WG853162
Fluorene	0.0601		0.00747	1	03/07/2016 14:23	WG853162
Indeno(1,2,3-cd)pyrene	0.109		0.00747	1	03/07/2016 14:23	WG853162
Naphthalene	0.0955		0.0249	1	03/07/2016 14:23	WG853162
Phenanthren	0.506		0.00747	1	03/07/2016 14:23	WG853162
Pyrene	0.636		0.00747	1	03/07/2016 14:23	WG853162
1-Methylnaphthalene	0.0485		0.0249	1	03/07/2016 14:23	WG853162
2-Methylnaphthalene	0.0704		0.0249	1	03/07/2016 14:23	WG853162
2-Chloronaphthalene	ND		0.0249	1	03/07/2016 14:23	WG853162
(S) Nitrobenzene-d5	68.2		22.1-146		03/07/2016 14:23	WG853162
(S) 2-Fluorobiphenyl	79.0		40.6-122		03/07/2016 14:23	WG853162
(S) p-Terphenyl-d14	78.2		32.2-131		03/07/2016 14:23	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	91.5		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.0360		0.0219	1	03/04/2016 16:49	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	3.87		2.19	1	03/02/2016 23:09	WG853308
Barium	37.2		0.547	1	03/02/2016 23:09	WG853308
Cadmium	ND		0.547	1	03/02/2016 23:09	WG853308
Chromium	14.8		1.09	1	03/02/2016 23:09	WG853308
Lead	12.1		0.547	1	03/02/2016 23:09	WG853308
Selenium	ND		2.19	1	03/02/2016 23:09	WG853308
Silver	ND		1.09	1	03/02/2016 23:09	WG853308

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.160		0.00656	1	03/07/2016 13:18	WG853162
Acenaphthene	0.112		0.00656	1	03/07/2016 13:18	WG853162
Acenaphthylene	0.0391		0.00656	1	03/07/2016 13:18	WG853162
Benz(a)anthracene	0.224		0.00656	1	03/07/2016 13:18	WG853162
Benzo(a)pyrene	0.160		0.00656	1	03/07/2016 13:18	WG853162
Benzo(b)fluoranthene	0.195		0.00656	1	03/07/2016 13:18	WG853162
Benzo(g,h,i)perylene	0.0727		0.00656	1	03/07/2016 13:18	WG853162
Benzo(k)fluoranthene	0.0606		0.00656	1	03/07/2016 13:18	WG853162
Chrysene	0.171		0.00656	1	03/07/2016 13:18	WG853162
Dibenz(a,h)anthracene	0.0270		0.00656	1	03/07/2016 13:18	WG853162
Fluoranthene	0.490		0.00656	1	03/07/2016 13:18	WG853162
Fluorene	0.143		0.00656	1	03/07/2016 13:18	WG853162
Indeno(1,2,3-cd)pyrene	0.0694		0.00656	1	03/07/2016 13:18	WG853162
Naphthalene	0.0524		0.0219	1	03/07/2016 13:18	WG853162
Phenanthren	0.633		0.00656	1	03/07/2016 13:18	WG853162
Pyrene	0.454		0.00656	1	03/07/2016 13:18	WG853162
1-Methylnaphthalene	0.528		0.0219	1	03/07/2016 13:18	WG853162
2-Methylnaphthalene	0.424		0.0219	1	03/07/2016 13:18	WG853162
2-Chloronaphthalene	ND		0.0219	1	03/07/2016 13:18	WG853162
(S) Nitrobenzene-d5	64.6		22.1-146		03/07/2016 13:18	WG853162
(S) 2-Fluorobiphenyl	80.8		40.6-122		03/07/2016 13:18	WG853162
(S) p-Terphenyl-d14	80.5		32.2-131		03/07/2016 13:18	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	90.4		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.513		0.0221	1	03/04/2016 16:57	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	10.7		2.21	1	03/02/2016 23:12	WG853308
Barium	85.8		0.553	1	03/02/2016 23:12	WG853308
Cadmium	ND		0.553	1	03/02/2016 23:12	WG853308
Chromium	28.7		1.11	1	03/02/2016 23:12	WG853308
Lead	129		0.553	1	03/02/2016 23:12	WG853308
Selenium	ND		2.21	1	03/02/2016 23:12	WG853308
Silver	ND		1.11	1	03/02/2016 23:12	WG853308

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.920		0.0332	5	03/07/2016 16:33	WG853162
Acenaphthene	0.915		0.0332	5	03/07/2016 16:33	WG853162
Acenaphthylene	0.172		0.0332	5	03/07/2016 16:33	WG853162
Benz(a)anthracene	1.52		0.0332	5	03/07/2016 16:33	WG853162
Benzo(a)pyrene	1.39		0.0332	5	03/07/2016 16:33	WG853162
Benzo(b)fluoranthene	1.48		0.0332	5	03/07/2016 16:33	WG853162
Benzo(g,h,i)perylene	0.815		0.0332	5	03/07/2016 16:33	WG853162
Benzo(k)fluoranthene	0.454		0.0332	5	03/07/2016 16:33	WG853162
Chrysene	1.38		0.0332	5	03/07/2016 16:33	WG853162
Dibenz(a,h)anthracene	0.213		0.0332	5	03/07/2016 16:33	WG853162
Fluoranthene	2.53		0.0332	5	03/07/2016 16:33	WG853162
Fluorene	1.09		0.0332	5	03/07/2016 16:33	WG853162
Indeno(1,2,3-cd)pyrene	0.637		0.0332	5	03/07/2016 16:33	WG853162
Naphthalene	1.33		0.111	5	03/07/2016 16:33	WG853162
Phenanthrone	3.79		0.0332	5	03/07/2016 16:33	WG853162
Pyrene	3.32		0.0332	5	03/07/2016 16:33	WG853162
1-Methylnaphthalene	7.44		0.111	5	03/07/2016 16:33	WG853162
2-Methylnaphthalene	11.1		0.111	5	03/07/2016 16:33	WG853162
2-Chloronaphthalene	ND		0.111	5	03/07/2016 16:33	WG853162
(S) Nitrobenzene-d5	86.6		22.1-146		03/07/2016 16:33	WG853162
(S) 2-Fluorobiphenyl	71.5		40.6-122		03/07/2016 16:33	WG853162
(S) p-Terphenyl-d14	78.8		32.2-131		03/07/2016 16:33	WG853162

⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	83.2		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.0536		0.0241	1	03/04/2016 17:00	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	24.5		2.41	1	03/02/2016 23:15	WG853308
Barium	195		0.601	1	03/02/2016 23:15	WG853308
Cadmium	ND		0.601	1	03/02/2016 23:15	WG853308
Chromium	18.4		1.20	1	03/02/2016 23:15	WG853308
Lead	84.7		0.601	1	03/02/2016 23:15	WG853308
Selenium	5.95		2.41	1	03/02/2016 23:15	WG853308
Silver	ND		1.20	1	03/02/2016 23:15	WG853308

⁶ Qc⁷ GI⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	4.14		0.0722	10	03/07/2016 17:16	WG853162
Acenaphthene	1.76		0.0722	10	03/07/2016 17:16	WG853162
Acenaphthylene	0.0870		0.0722	10	03/07/2016 17:16	WG853162
Benz(a)anthracene	6.33		0.0722	10	03/07/2016 17:16	WG853162
Benzo(a)pyrene	5.30		0.0722	10	03/07/2016 17:16	WG853162
Benzo(b)fluoranthene	6.08		0.0722	10	03/07/2016 17:16	WG853162
Benzo(g,h,i)perylene	2.78		0.0722	10	03/07/2016 17:16	WG853162
Benzo(k)fluoranthene	1.77		0.0722	10	03/07/2016 17:16	WG853162
Chrysene	5.03		0.0722	10	03/07/2016 17:16	WG853162
Dibenz(a,h)anthracene	0.797		0.0722	10	03/07/2016 17:16	WG853162
Fluoranthene	16.9		0.0722	10	03/07/2016 17:16	WG853162
Fluorene	2.11		0.0722	10	03/07/2016 17:16	WG853162
Indeno(1,2,3-cd)pyrene	2.31		0.0722	10	03/07/2016 17:16	WG853162
Naphthalene	0.895		0.241	10	03/07/2016 17:16	WG853162
Phenanthenrene	16.1		0.0722	10	03/07/2016 17:16	WG853162
Pyrene	13.2		0.0722	10	03/07/2016 17:16	WG853162
1-Methylnaphthalene	0.484		0.241	10	03/07/2016 17:16	WG853162
2-Methylnaphthalene	0.458		0.241	10	03/07/2016 17:16	WG853162
2-Chloronaphthalene	ND		0.241	10	03/07/2016 17:16	WG853162
(S) Nitrobenzene-d5	48.4		22.1-146		03/07/2016 17:16	WG853162
(S) 2-Fluorobiphenyl	73.3		40.6-122		03/07/2016 17:16	WG853162
(S) p-Terphenyl-d14	76.8		32.2-131		03/07/2016 17:16	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	91.9		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.252		0.0218	1	03/04/2016 17:02	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	12.3		2.18	1	03/02/2016 23:17	WG853308
Barium	130		0.544	1	03/02/2016 23:17	WG853308
Cadmium	1.68		0.544	1	03/02/2016 23:17	WG853308
Chromium	25.8		1.09	1	03/02/2016 23:17	WG853308
Lead	553		0.544	1	03/02/2016 23:17	WG853308
Selenium	ND		2.18	1	03/02/2016 23:17	WG853308
Silver	ND		1.09	1	03/02/2016 23:17	WG853308

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	1.04		0.131	20	03/07/2016 18:00	WG853162
Acenaphthene	0.432		0.131	20	03/07/2016 18:00	WG853162
Acenaphthylene	ND		0.131	20	03/07/2016 18:00	WG853162
Benz(a)anthracene	2.66		0.131	20	03/07/2016 18:00	WG853162
Benzo(a)pyrene	2.43		0.131	20	03/07/2016 18:00	WG853162
Benzo(b)fluoranthene	2.97		0.131	20	03/07/2016 18:00	WG853162
Benzo(g,h,i)perylene	1.51		0.131	20	03/07/2016 18:00	WG853162
Benzo(k)fluoranthene	0.753		0.131	20	03/07/2016 18:00	WG853162
Chrysene	2.15		0.131	20	03/07/2016 18:00	WG853162
Dibenz(a,h)anthracene	0.389		0.131	20	03/07/2016 18:00	WG853162
Fluoranthene	4.92		0.131	20	03/07/2016 18:00	WG853162
Fluorene	0.544		0.131	20	03/07/2016 18:00	WG853162
Indeno(1,2,3-cd)pyrene	1.25		0.131	20	03/07/2016 18:00	WG853162
Naphthalene	ND		0.435	20	03/07/2016 18:00	WG853162
Phenanthrene	4.38		0.131	20	03/07/2016 18:00	WG853162
Pyrene	5.27		0.131	20	03/07/2016 18:00	WG853162
1-Methylnaphthalene	ND		0.435	20	03/07/2016 18:00	WG853162
2-Methylnaphthalene	ND		0.435	20	03/07/2016 18:00	WG853162
2-Chloronaphthalene	ND		0.435	20	03/07/2016 18:00	WG853162
(S) Nitrobenzene-d5	65.6	J7	22.1-146		03/07/2016 18:00	WG853162
(S) 2-Fluorobiphenyl	70.5	J7	40.6-122		03/07/2016 18:00	WG853162
(S) p-Terphenyl-d14	68.6	J7	32.2-131		03/07/2016 18:00	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	86.1		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	0.272		0.0232	1	03/04/2016 17:05	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	8.56		2.32	1	03/02/2016 23:20	WG853308
Barium	97.4		0.581	1	03/02/2016 23:20	WG853308
Cadmium	ND		0.581	1	03/02/2016 23:20	WG853308
Chromium	24.9		1.16	1	03/02/2016 23:20	WG853308
Lead	149		0.581	1	03/02/2016 23:20	WG853308
Selenium	ND		2.32	1	03/02/2016 23:20	WG853308
Silver	ND		1.16	1	03/02/2016 23:20	WG853308

⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0511		0.00697	1	03/07/2016 13:40	WG853162
Acenaphthene	0.0772		0.00697	1	03/07/2016 13:40	WG853162
Acenaphthylene	ND		0.00697	1	03/07/2016 13:40	WG853162
Benz(a)anthracene	0.129		0.00697	1	03/07/2016 13:40	WG853162
Benzo(a)pyrene	0.131		0.00697	1	03/07/2016 13:40	WG853162
Benzo(b)fluoranthene	0.156		0.00697	1	03/07/2016 13:40	WG853162
Benzo(g,h,i)perylene	0.0881		0.00697	1	03/07/2016 13:40	WG853162
Benzo(k)fluoranthene	0.0432		0.00697	1	03/07/2016 13:40	WG853162
Chrysene	0.113		0.00697	1	03/07/2016 13:40	WG853162
Dibenz(a,h)anthracene	0.0242		0.00697	1	03/07/2016 13:40	WG853162
Fluoranthene	0.287		0.00697	1	03/07/2016 13:40	WG853162
Fluorene	0.0720		0.00697	1	03/07/2016 13:40	WG853162
Indeno(1,2,3-cd)pyrene	0.0728		0.00697	1	03/07/2016 13:40	WG853162
Naphthalene	1.12		0.0232	1	03/07/2016 13:40	WG853162
Phenanthrene	0.271		0.00697	1	03/07/2016 13:40	WG853162
Pyrene	0.298		0.00697	1	03/07/2016 13:40	WG853162
1-Methylnaphthalene	ND		0.0232	1	03/07/2016 13:40	WG853162
2-Methylnaphthalene	ND		0.0232	1	03/07/2016 13:40	WG853162
2-Chloronaphthalene	ND		0.0232	1	03/07/2016 13:40	WG853162
(S) Nitrobenzene-d5	88.9		22.1-146		03/07/2016 13:40	WG853162
(S) 2-Fluorobiphenyl	83.8		40.6-122		03/07/2016 13:40	WG853162
(S) p-Terphenyl-d14	83.1		32.2-131		03/07/2016 13:40	WG853162



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	75.6		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	3.09		0.264	10	03/04/2016 17:43	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	30.3		2.64	1	03/02/2016 23:23	WG853308
Barium	3920		3.31	5	03/03/2016 03:45	WG853308
Cadmium	2.46		0.661	1	03/02/2016 23:23	WG853308
Chromium	27.9		1.32	1	03/02/2016 23:23	WG853308
Lead	5670		3.31	5	03/03/2016 03:45	WG853308
Selenium	ND		2.64	1	03/02/2016 23:23	WG853308
Silver	ND		1.32	1	03/02/2016 23:23	WG853308

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	0.0593		0.0159	2	03/04/2016 19:25	WG853416
Acenaphthene	0.0383		0.0159	2	03/04/2016 19:25	WG853416
Acenaphthylene	ND		0.0159	2	03/04/2016 19:25	WG853416
Benz(a)anthracene	0.164		0.0159	2	03/04/2016 19:25	WG853416
Benzo(a)pyrene	0.190		0.0159	2	03/04/2016 19:25	WG853416
Benzo(b)fluoranthene	0.201		0.0159	2	03/04/2016 19:25	WG853416
Benzo(g,h,i)perylene	0.128		0.0159	2	03/04/2016 19:25	WG853416
Benzo(k)fluoranthene	0.0747		0.0159	2	03/04/2016 19:25	WG853416
Chrysene	0.163		0.0159	2	03/04/2016 19:25	WG853416
Dibenz(a,h)anthracene	0.0301		0.0159	2	03/04/2016 19:25	WG853416
Fluoranthene	0.292		0.0159	2	03/04/2016 19:25	WG853416
Fluorene	0.0343		0.0159	2	03/04/2016 19:25	WG853416
Indeno(1,2,3-cd)pyrene	0.101		0.0159	2	03/04/2016 19:25	WG853416
Naphthalene	0.172		0.0529	2	03/04/2016 19:25	WG853416
Phenanthrene	0.243		0.0159	2	03/04/2016 19:25	WG853416
Pyrene	0.341		0.0159	2	03/04/2016 19:25	WG853416
1-Methylnaphthalene	ND		0.0529	2	03/04/2016 19:25	WG853416
2-Methylnaphthalene	ND		0.0529	2	03/04/2016 19:25	WG853416
2-Chloronaphthalene	ND		0.0529	2	03/04/2016 19:25	WG853416
(S) Nitrobenzene-d5	84.4		22.1-146		03/04/2016 19:25	WG853416
(S) 2-Fluorobiphenyl	82.7		40.6-122		03/04/2016 19:25	WG853416
(S) p-Terphenyl-d14	72.3		32.2-131		03/04/2016 19:25	WG853416



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	80.3		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	2.07		0.0498	2	03/04/2016 17:45	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	9.36		2.49	1	03/02/2016 23:26	WG853308
Barium	356		0.623	1	03/02/2016 23:26	WG853308
Cadmium	1.24		0.623	1	03/02/2016 23:26	WG853308
Chromium	14.1		1.25	1	03/02/2016 23:26	WG853308
Lead	973		0.623	1	03/02/2016 23:26	WG853308
Selenium	ND		2.49	1	03/02/2016 23:26	WG853308
Silver	ND		1.25	1	03/02/2016 23:26	WG853308

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	6.46		0.149	20	03/04/2016 20:08	WG853416
Acenaphthene	2.38		0.149	20	03/04/2016 20:08	WG853416
Acenaphthylene	ND		0.149	20	03/04/2016 20:08	WG853416
Benz(a)anthracene	9.73		0.149	20	03/04/2016 20:08	WG853416
Benzo(a)pyrene	8.46		0.149	20	03/04/2016 20:08	WG853416
Benzo(b)fluoranthene	8.84		0.149	20	03/04/2016 20:08	WG853416
Benzo(g,h,i)perylene	4.85		0.149	20	03/04/2016 20:08	WG853416
Benzo(k)fluoranthene	2.79		0.149	20	03/04/2016 20:08	WG853416
Chrysene	9.27		0.149	20	03/04/2016 20:08	WG853416
Dibenz(a,h)anthracene	1.21		0.149	20	03/04/2016 20:08	WG853416
Fluoranthene	18.9		0.149	20	03/04/2016 20:08	WG853416
Fluorene	3.09		0.149	20	03/04/2016 20:08	WG853416
Indeno(1,2,3-cd)pyrene	4.07		0.149	20	03/04/2016 20:08	WG853416
Naphthalene	2.30		0.498	20	03/04/2016 20:08	WG853416
Phenanthrene	25.7		0.149	20	03/04/2016 20:08	WG853416
Pyrene	24.4		0.149	20	03/04/2016 20:08	WG853416
1-Methylnaphthalene	1.80		0.498	20	03/04/2016 20:08	WG853416
2-Methylnaphthalene	1.77		0.498	20	03/04/2016 20:08	WG853416
2-Chloronaphthalene	ND		0.498	20	03/04/2016 20:08	WG853416
(S) Nitrobenzene-d5	85.5	J7	22.1-146		03/04/2016 20:08	WG853416
(S) 2-Fluorobiphenyl	88.7	J7	40.6-122		03/04/2016 20:08	WG853416
(S) p-Terphenyl-d14	87.1	J7	32.2-131		03/04/2016 20:08	WG853416



Total Solids by Method 2540 G-2011

Analyte	Result %	<u>Qualifier</u>	Dilution	Analysis date / time	<u>Batch</u>
Total Solids	77.9		1	02/29/2016 14:22	WG852889

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc

Mercury by Method 7471A

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Mercury	1.32		0.0513	2	03/04/2016 17:48	WG853951

Metals (ICP) by Method 6010C

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Arsenic	15.5		2.57	1	03/02/2016 22:45	WG853308
Barium	695	V	0.642	1	03/02/2016 22:45	WG853308
Cadmium	8.49		0.642	1	03/02/2016 22:45	WG853308
Chromium	24.0		1.28	1	03/02/2016 22:45	WG853308
Lead	2710	V	0.642	1	03/02/2016 22:45	WG853308
Selenium	ND		2.57	1	03/02/2016 22:45	WG853308
Silver	ND		1.28	1	03/02/2016 22:45	WG853308

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

Analyte	Result (dry) mg/kg	<u>Qualifier</u>	RDL (dry) mg/kg	Dilution	Analysis date / time	<u>Batch</u>
Anthracene	1.47		0.0385	5	03/04/2016 19:46	WG853416
Acenaphthene	0.912		0.0385	5	03/04/2016 19:46	WG853416
Acenaphthylene	ND		0.0385	5	03/04/2016 19:46	WG853416
Benz(a)anthracene	2.39		0.0385	5	03/04/2016 19:46	WG853416
Benzo(a)pyrene	2.04		0.0385	5	03/04/2016 19:46	WG853416
Benzo(b)fluoranthene	2.20		0.0385	5	03/04/2016 19:46	WG853416
Benzo(g,h,i)perylene	1.08		0.0385	5	03/04/2016 19:46	WG853416
Benzo(k)fluoranthene	0.648		0.0385	5	03/04/2016 19:46	WG853416
Chrysene	2.05		0.0385	5	03/04/2016 19:46	WG853416
Dibenz(a,h)anthracene	0.302		0.0385	5	03/04/2016 19:46	WG853416
Fluoranthene	4.56		0.0385	5	03/04/2016 19:46	WG853416
Fluorene	0.927		0.0385	5	03/04/2016 19:46	WG853416
Indeno(1,2,3-cd)pyrene	0.945		0.0385	5	03/04/2016 19:46	WG853416
Naphthalene	0.513		0.128	5	03/04/2016 19:46	WG853416
Phenanthren	5.68		0.0385	5	03/04/2016 19:46	WG853416
Pyrene	5.47		0.0385	5	03/04/2016 19:46	WG853416
1-Methylnaphthalene	0.303		0.128	5	03/04/2016 19:46	WG853416
2-Methylnaphthalene	0.358		0.128	5	03/04/2016 19:46	WG853416
2-Chloronaphthalene	ND		0.128	5	03/04/2016 19:46	WG853416
(S) Nitrobenzene-d5	92.7		22.1-146		03/04/2016 19:46	WG853416
(S) 2-Fluorobiphenyl	91.0		40.6-122		03/04/2016 19:46	WG853416
(S) p-Terphenyl-d14	81.3		32.2-131		03/04/2016 19:46	WG853416



L820420-01,02,03,04,05,06,11,12,13,14

Method Blank (MB)

(MB) 02/29/16 13:10

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000600		

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820420-01 Original Sample (OS) • Duplicate (DUP)

(OS) 02/29/16 13:10 • (DUP) 02/29/16 13:10

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	71.4	76.5	1	6.99	J3	5

Laboratory Control Sample (LCS)

(LCS) 02/29/16 13:10

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	<u>LCS Qualifier</u>
Total Solids	50.0	50.0	99.9	85.0-115	

[L820420-15,16,17,18,19,20,21,22,23,24](#)

Method Blank (MB)

(MB) 03/01/16 09:28

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000200		

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820420-24 Original Sample (OS) • Duplicate (DUP)

(OS) 03/01/16 09:28 • (DUP) 03/01/16 09:28

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	87.7	89.0	1	1.46		5

Laboratory Control Sample (LCS)

(LCS) 03/01/16 09:28

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

L820420-25,26,27,28,29,30,31,32,33

Method Blank (MB)

(MB) 02/29/16 14:22

Analyte	MB Result %	<u>MB Qualifier</u>	MB RDL %
Total Solids	0.000100		

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820420-25 Original Sample (OS) • Duplicate (DUP)

(OS) 02/29/16 14:22 • (DUP) 02/29/16 14:22

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	<u>DUP Qualifier</u>	DUP RPD Limits %
Total Solids	80.3	82.7	1	2.94		5

Laboratory Control Sample (LCS)

(LCS) 02/29/16 14:22

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



Method Blank (MB)

(MB) 03/01/16 16:43

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l
Mercury,Dissolved	ND		0.000200

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/01/16 16:51 • (LCSD) 03/01/16 16:53

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Mercury,Dissolved	0.00300	0.00286	0.00288	95	96	80-120			0	20

L819797-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/01/16 16:56 • (MS) 03/01/16 16:59 • (MSD) 03/01/16 17:01

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Mercury,Dissolved	0.00300	0.00000895	0.00298	0.00314	99	104	1	75-125		5	20

⁹Sc



Method Blank (MB)

(MB) 03/02/16 15:34

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Mercury	ND		0.0200

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/02/16 15:37 • (LCSD) 03/02/16 15:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.300	0.301	100	100	80-120			0	20

L820420-24 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/02/16 15:42 • (MS) 03/02/16 15:44 • (MSD) 03/02/16 15:47

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.0385	0.338	0.532	100	165	1	75-125	J3 J5		45	20

⁹Sc

L820420-25,26,27,28,29,30,31,32,33

Method Blank (MB)

(MB) 03/04/16 16:08

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Mercury	ND		0.0200

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/04/16 16:11 • (LCSD) 03/04/16 16:13

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.240	0.244	80	81	80-120			2	20

L820316-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 16:16 • (MS) 03/04/16 16:18 • (MSD) 03/04/16 16:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Mercury	0.300	0.0118	0.230	0.225	73	71	1	75-125	J6	J6	2	20

⁹Sc

QUALITY CONTROL SUMMARY



L820420-01,02,03,04,05,06,11,12,13,14,15,16,17,18,19,20,21,22,23,24

Method Blank (MB)

(MB) 03/03/16 02:06

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Arsenic	ND		2.00
Barium	ND		0.500
Cadmium	ND		0.500
Chromium	ND		1.00
Lead	ND		0.500
Selenium	ND		2.00
Silver	ND		1.00

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc

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

(LCS) 03/03/16 02:09 • (LCSD) 03/03/16 02:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Arsenic	100	91.3	99.2	91	99	80-120			8	20
Barium	100	93.3	101	93	101	80-120			8	20
Cadmium	100	96.7	105	97	105	80-120			8	20
Chromium	100	98.2	98.8	98	99	80-120			1	20
Lead	100	99.3	108	99	108	80-120			8	20
Selenium	100	94.9	103	95	103	80-120			8	20
Silver	100	99.5	101	100	101	80-120			1	20

⁷Gl⁸Al⁹Sc

L820420-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/03/16 02:14 • (MS) 03/03/16 02:28 • (MSD) 03/03/16 02:31

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Arsenic	100	10.7	102	101	92	91	1	75-125		1	20
Barium	100	42.2	135	136	92	93	1	75-125		1	20
Cadmium	100	0.166	97.1	97.9	97	98	1	75-125		1	20
Chromium	100	24.8	125	116	100	91	1	75-125		7	20
Lead	100	29.6	118	122	89	93	1	75-125		4	20
Selenium	100	0.471	93.8	94.5	93	94	1	75-125		1	20
Silver	100	ND	104	95.4	104	95	1	75-125		9	20

QUALITY CONTROL SUMMARY



Method Blank (MB)

(MB) 03/02/16 22:37

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg
Arsenic	ND	2.00	
Barium	ND	0.500	
Cadmium	ND	0.500	
Chromium	ND	1.00	
Lead	ND	0.500	
Selenium	ND	2.00	
Silver	ND	1.00	

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc

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

(LCS) 03/02/16 22:40 • (LCSD) 03/02/16 22:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Arsenic	100	94.7	101	95	101	80-120			7	20
Barium	100	95.5	102	96	102	80-120			6	20
Cadmium	100	98.6	105	99	105	80-120			6	20
Chromium	100	96.9	100	97	100	80-120			4	20
Lead	100	101	107	101	107	80-120			6	20
Selenium	100	97.3	103	97	103	80-120			6	20
Silver	100	97.3	100	97	100	80-120			3	20

⁷Gl⁸Al⁹Sc

L820420-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/02/16 22:45 • (MS) 03/02/16 23:00 • (MSD) 03/02/16 23:03

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits	
Arsenic	100	12.1	98.7	100	87	88	1	75-125		1	20	
Barium	100	541	316	329	0	0	1	75-125	V	V	4	20
Cadmium	100	6.61	93.7	96.2	87	90	1	75-125			3	20
Chromium	100	18.7	112	115	94	97	1	75-125			3	20
Lead	100	2110	710	683	0	0	1	75-125	V	V	4	20
Selenium	100	1.17	90.8	94.7	90	94	1	75-125			4	20
Silver	100	0.286	92.2	94.3	92	94	1	75-125			2	20



L820420-07,08,09,10

Method Blank (MB)

(MB) 03/03/16 14:35

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l
Barium,Dissolved	ND		0.00500
Cadmium,Dissolved	ND		0.00200
Chromium,Dissolved	ND		0.0100
Lead,Dissolved	ND		0.00500
Selenium,Dissolved	ND		0.0100
Silver,Dissolved	ND		0.00500

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/03/16 14:38 • (LCSD) 03/03/16 14:40

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Barium,Dissolved	1.00	1.06	1.04	106	104	80-120			2	20
Cadmium,Dissolved	1.00	1.09	1.07	109	107	80-120			2	20
Chromium,Dissolved	1.00	1.07	1.05	107	105	80-120			2	20
Lead,Dissolved	1.00	1.10	1.08	110	108	80-120			2	20
Selenium,Dissolved	1.00	1.11	1.08	111	108	80-120			2	20
Silver,Dissolved	1.00	1.07	1.05	107	105	80-120			3	20

¹⁰Sc

L820420-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/03/16 14:43 • (MS) 03/03/16 14:49 • (MSD) 03/03/16 14:52

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
Barium,Dissolved	1.00	0.0507	1.11	1.11	106	106	1	75-125			0	20
Cadmium,Dissolved	1.00	ND	1.13	1.12	113	112	1	75-125			0	20
Chromium,Dissolved	1.00	0.000248	1.08	1.06	108	106	1	75-125			2	20
Lead,Dissolved	1.00	0.00790	1.12	1.10	111	110	1	75-125			1	20
Selenium,Dissolved	1.00	0.000467	1.16	1.16	116	116	1	75-125			0	20
Silver,Dissolved	1.00	ND	1.11	1.10	111	110	1	75-125			1	20

L820420-07,08,09,10

Method Blank (MB)

(MB) 03/02/16 13:10

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l
Arsenic,Dissolved	ND		0.00200

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/02/16 13:12 • (LCSD) 03/02/16 13:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Arsenic,Dissolved	0.0500	0.0481	0.0471	96	94	80-120			2	20

L820268-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/02/16 13:17 • (MS) 03/02/16 13:19 • (MSD) 03/02/16 13:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Arsenic,Dissolved	0.0500	0.0000632	0.0461	0.0463	92	92	1	75-125			1	20

⁹Sc



Method Blank (MB)

(MB) 03/02/16 00:53

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l	
Acetone	ND		0.0500	¹ Cp
Acrolein	ND		0.0500	² Tc
Acrylonitrile	ND		0.0100	³ Ss
Benzene	ND		0.00100	⁴ Cn
Bromobenzene	ND		0.00100	⁵ Sr
Bromodichloromethane	ND		0.00100	⁶ Qc
Bromoform	ND		0.00100	⁷ Gl
Bromomethane	ND		0.00500	⁸ Al
n-Butylbenzene	ND		0.00100	⁹ Sc
sec-Butylbenzene	ND		0.00100	
tert-Butylbenzene	ND		0.00100	
Carbon tetrachloride	ND		0.00100	
Chlorobenzene	ND		0.00100	
Chlorodibromomethane	ND		0.00100	
Chloroethane	ND		0.00500	
2-Chloroethyl vinyl ether	ND		0.0500	
Chloroform	ND		0.00500	
Chloromethane	ND		0.00250	
2-Chlorotoluene	ND		0.00100	
4-Chlorotoluene	ND		0.00100	
1,2-Dibromo-3-Chloropropane	ND		0.00500	
1,2-Dibromoethane	ND		0.00100	
Dibromomethane	ND		0.00100	
1,2-Dichlorobenzene	ND		0.00100	
1,3-Dichlorobenzene	ND		0.00100	
1,4-Dichlorobenzene	ND		0.00100	
Dichlorodifluoromethane	ND		0.00500	
1,1-Dichloroethane	ND		0.00100	
1,2-Dichloroethane	ND		0.00100	
1,1-Dichloroethene	ND		0.00100	
cis-1,2-Dichloroethene	ND		0.00100	
trans-1,2-Dichloroethene	ND		0.00100	
1,2-Dichloropropane	ND		0.00100	
1,1-Dichloropropene	ND		0.00100	
1,3-Dichloropropane	ND		0.00100	
cis-1,3-Dichloropropene	ND		0.00100	

L820420-07,08,09,10

Method Blank (MB)

(MB) 03/02/16 00:53

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l	
trans-1,3-Dichloropropene	ND		0.00100	¹ Cp
2,2-Dichloropropane	ND		0.00100	² Tc
Di-isopropyl ether	ND		0.00100	³ Ss
Ethylbenzene	ND		0.00100	⁴ Cn
Hexachloro-1,3-butadiene	ND		0.00100	⁵ Sr
Isopropylbenzene	ND		0.00100	⁶ Qc
p-Isopropyltoluene	ND		0.00100	⁷ Gl
2-Butanone (MEK)	ND		0.0100	⁸ Al
Methylene Chloride	ND		0.00500	⁹ Sc
4-Methyl-2-pentanone (MIBK)	ND		0.0100	
Methyl tert-butyl ether	ND		0.00100	
Naphthalene	ND		0.00500	
n-Propylbenzene	ND		0.00100	
Styrene	ND		0.00100	
1,1,1,2-Tetrachloroethane	ND		0.00100	
1,1,2,2-Tetrachloroethane	ND		0.00100	
Tetrachloroethene	ND		0.00100	
Toluene	ND		0.00500	
1,1,2-Trichlorotrifluoroethane	ND		0.00100	
1,2,3-Trichlorobenzene	ND		0.00100	
1,2,4-Trichlorobenzene	ND		0.00100	
1,1,1-Trichloroethane	ND		0.00100	
1,1,2-Trichloroethane	ND		0.00100	
Trichloroethene	ND		0.00100	
Trichlorofluoromethane	ND		0.00500	
1,2,3-Trichloropropane	ND		0.00250	
1,2,3-Trimethylbenzene	ND		0.00100	
1,2,4-Trimethylbenzene	ND		0.00100	
1,3,5-Trimethylbenzene	ND		0.00100	
Vinyl chloride	ND		0.00100	
Xylenes, Total	ND		0.00300	
(S) Toluene-d8	100		90.0-115	
(S) Dibromofluoromethane	100		79.0-121	
(S) 4-Bromofluorobenzene	97.5		80.1-120	



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

(LCS) 03/01/16 23:42 • (LCSD) 03/02/16 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Acetone	0.125	0.0824	0.0868	65.9	69.4	28.7-175			5.21	20.9
Acrolein	0.125	0.122	0.129	97.3	103	40.4-172			6.05	20
Acrylonitrile	0.125	0.130	0.137	104	110	58.2-145			5.12	20
Benzene	0.0250	0.0246	0.0259	98.3	103	73.0-122			5.13	20
Bromobenzene	0.0250	0.0240	0.0253	96.0	101	81.5-115			5.38	20
Bromodichloromethane	0.0250	0.0240	0.0247	95.9	98.8	75.5-121			3.00	20
Bromoform	0.0250	0.0239	0.0254	95.6	102	71.5-131			6.27	20
Bromomethane	0.0250	0.0261	0.0288	104	115	22.4-187			9.72	20
n-Butylbenzene	0.0250	0.0244	0.0273	97.5	109	75.9-134			11.5	20
sec-Butylbenzene	0.0250	0.0233	0.0256	93.3	102	80.6-126			9.09	20
tert-Butylbenzene	0.0250	0.0237	0.0260	94.9	104	79.3-127			9.01	20
Carbon tetrachloride	0.0250	0.0230	0.0246	91.9	98.4	70.9-129			6.82	20
Chlorobenzene	0.0250	0.0244	0.0261	97.5	104	79.7-122			6.84	20
Chlorodibromomethane	0.0250	0.0244	0.0263	97.8	105	78.2-124			7.39	20
Chloroethane	0.0250	0.0256	0.0279	103	111	41.2-153			8.29	20
2-Chloroethyl vinyl ether	0.125	0.169	0.182	135	146	23.4-162			7.73	23.5
Chloroform	0.0250	0.0241	0.0253	96.4	101	73.2-125			4.79	20
Chloromethane	0.0250	0.0261	0.0277	104	111	55.8-134			5.98	20
2-Chlorotoluene	0.0250	0.0241	0.0265	96.6	106	76.4-125			9.30	20
4-Chlorotoluene	0.0250	0.0241	0.0260	96.5	104	81.5-121			7.57	20
1,2-Dibromo-3-Chloropropane	0.0250	0.0253	0.0280	101	112	64.8-131			10.0	20
1,2-Dibromoethane	0.0250	0.0245	0.0253	98.0	101	79.8-122			3.34	20
Dibromomethane	0.0250	0.0248	0.0254	99.2	102	78.8-119			2.57	20
1,2-Dichlorobenzene	0.0250	0.0239	0.0263	95.8	105	84.7-118			9.49	20
1,3-Dichlorobenzene	0.0250	0.0237	0.0254	94.7	102	77.6-127			7.07	20
1,4-Dichlorobenzene	0.0250	0.0237	0.0259	94.7	103	82.2-114			8.80	20
Dichlorodifluoromethane	0.0250	0.0283	0.0306	113	122	56.0-134			7.88	20
1,1-Dichloroethane	0.0250	0.0253	0.0263	101	105	71.7-127			3.89	20
1,2-Dichloroethane	0.0250	0.0246	0.0253	98.2	101	79.8-122			2.96	20
1,1-Dichloroethene	0.0250	0.0246	0.0259	98.3	104	59.9-137			5.46	20
cis-1,2-Dichloroethene	0.0250	0.0248	0.0258	99.4	103	77.3-122			3.78	20
trans-1,2-Dichloroethene	0.0250	0.0242	0.0254	96.8	101	72.6-125			4.70	20
1,2-Dichloropropane	0.0250	0.0250	0.0253	99.8	101	77.4-125			1.55	20
1,1-Dichloropropene	0.0250	0.0250	0.0266	100	107	72.5-127			6.32	20
1,3-Dichloropropane	0.0250	0.0259	0.0266	104	107	80.6-115			2.87	20
cis-1,3-Dichloropropene	0.0250	0.0258	0.0263	103	105	77.7-124			2.14	20

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



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

(LCS) 03/01/16 23:42 • (LCSD) 03/02/16 00:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
trans-1,3-Dichloropropene	0.0250	0.0253	0.0267	101	107	73.5-127			5.62	20
2,2-Dichloropropane	0.0250	0.0227	0.0248	90.6	99.2	61.3-134			9.08	20
Di-isopropyl ether	0.0250	0.0253	0.0264	101	106	65.1-135			4.30	20
Ethylbenzene	0.0250	0.0243	0.0260	97.3	104	80.9-121			6.53	20
Hexachloro-1,3-butadiene	0.0250	0.0230	0.0262	92.1	105	73.7-133			12.9	20
Isopropylbenzene	0.0250	0.0225	0.0245	90.0	97.9	81.6-124			8.38	20
p-Isopropyltoluene	0.0250	0.0240	0.0266	96.2	106	77.6-129			9.99	20
2-Butanone (MEK)	0.125	0.0967	0.103	77.4	82.1	46.4-155			5.88	20
Methylene Chloride	0.0250	0.0246	0.0245	98.3	98.1	69.5-120			0.290	20
4-Methyl-2-pentanone (MIBK)	0.125	0.124	0.136	99.5	109	63.3-138			9.06	20
Methyl tert-butyl ether	0.0250	0.0245	0.0253	98.1	101	70.1-125			2.93	20
Naphthalene	0.0250	0.0231	0.0255	92.4	102	69.7-134			9.80	20
n-Propylbenzene	0.0250	0.0233	0.0253	93.2	101	81.9-122			8.10	20
Styrene	0.0250	0.0254	0.0268	102	107	79.9-124			5.27	20
1,1,1,2-Tetrachloroethane	0.0250	0.0241	0.0256	96.5	102	78.5-125			5.75	20
1,1,2,2-Tetrachloroethane	0.0250	0.0226	0.0249	90.2	99.7	79.3-123			9.93	20
Tetrachloroethene	0.0250	0.0230	0.0238	92.1	95.2	73.5-130			3.35	20
Toluene	0.0250	0.0238	0.0252	95.2	101	77.9-116			5.61	20
1,1,2-Trichlorotrifluoroethane	0.0250	0.0240	0.0263	96.0	105	62.0-141			9.15	20
1,2,3-Trichlorobenzene	0.0250	0.0235	0.0257	94.1	103	75.7-134			8.81	20
1,2,4-Trichlorobenzene	0.0250	0.0244	0.0265	97.6	106	76.1-136			8.22	20
1,1,1-Trichloroethane	0.0250	0.0233	0.0249	93.3	99.7	71.1-129			6.64	20
1,1,2-Trichloroethane	0.0250	0.0239	0.0256	95.8	102	81.6-120			6.61	20
Trichloroethene	0.0250	0.0241	0.0252	96.5	101	79.5-121			4.47	20
Trichlorofluoromethane	0.0250	0.0218	0.0240	87.4	96.0	49.1-157			9.41	20
1,2,3-Trichloropropane	0.0250	0.0231	0.0253	92.5	101	74.9-124			8.89	20
1,2,3-Trimethylbenzene	0.0250	0.0235	0.0256	93.9	102	79.9-118			8.71	20
1,2,4-Trimethylbenzene	0.0250	0.0228	0.0245	91.3	98.1	79.0-122			7.14	20
1,3,5-Trimethylbenzene	0.0250	0.0231	0.0250	92.2	100	81.0-123			8.20	20
Vinyl chloride	0.0250	0.0261	0.0279	104	112	61.5-134			6.78	20
Xylenes, Total	0.0750	0.0728	0.0768	97.0	102	79.2-122			5.42	20
(S) Toluene-d8				101	101	90.0-115				
(S) Dibromofluoromethane				100	100	79.0-121				
(S) 4-Bromofluorobenzene				98.8	98.2	80.1-120				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



L820420-08,09,10

Method Blank (MB)

(MB) 03/03/16 00:56

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l
cis-1,2-Dichloroethene	ND		0.00100
Tetrachloroethene	ND		0.00100
Trichloroethene	ND		0.00100
Vinyl chloride	ND		0.00100

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/02/16 22:55 • (LCSD) 03/02/16 23:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
cis-1,2-Dichloroethene	0.0250	0.0240	0.0241	96.0	96.2	77.3-122			0.250	20
Tetrachloroethene	0.0250	0.0242	0.0232	96.9	92.9	73.5-130			4.25	20
Trichloroethene	0.0250	0.0249	0.0247	99.6	98.8	79.5-121			0.760	20
Vinyl chloride	0.0250	0.0257	0.0249	103	99.7	61.5-134			2.94	20

L820622-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/03/16 03:45 • (MS) 03/03/16 01:20 • (MSD) 03/03/16 01:44

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits %
cis-1,2-Dichloroethene	0.0250	ND	0.0224	0.0231	89.4	92.3	1	60.6-136			3.16	20
Tetrachloroethene	0.0250	ND	0.0219	0.0217	87.7	86.6	1	57.4-141			1.20	20
Trichloroethene	0.0250	ND	0.0225	0.0221	90.2	88.3	1	48.9-148			2.08	20
Vinyl chloride	0.0250	ND	0.0217	0.0215	86.9	85.8	1	44.3-143			1.30	20



Method Blank (MB)

(MB) 03/09/16 14:12

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l
Tetrachloroethene	ND		0.00100

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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

(LCS) 03/09/16 12:19 • (LCSD) 03/09/16 12:42

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD	RPD Limits
Tetrachloroethene	0.0250	0.0282	0.0288	113	115	73.5-130			1.88	20

L821591-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/09/16 18:22 • (MS) 03/09/16 16:29 • (MSD) 03/09/16 16:51

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD	RPD Limits
Tetrachloroethene	0.0250	ND	0.0292	0.0281	117	112	1	57.4-141			3.88	20

⁹Sc

L820420-07,08,09,10

Method Blank (MB)

(MB) 03/02/16 01:42

Analyte	MB Result mg/l	<u>MB Qualifier</u>	MB RDL mg/l	¹ Cp
Anthracene	ND		0.0000500	
Acenaphthene	ND		0.0000500	
Acenaphthylene	ND		0.0000500	
Benzo(a)anthracene	ND		0.0000500	
Benzo(a)pyrene	ND		0.0000500	
Benzo(b)fluoranthene	ND		0.0000500	
Benzo(g,h,i)perylene	ND		0.0000500	
Benzo(k)fluoranthene	ND		0.0000500	
Chrysene	ND		0.0000500	
Dibenz(a,h)anthracene	ND		0.0000500	
Fluoranthene	ND		0.0000500	
Fluorene	ND		0.0000500	
Indeno(1,2,3-cd)pyrene	ND		0.0000500	
Naphthalene	ND		0.000250	
Phenanthrene	ND		0.0000500	
Pyrene	ND		0.0000500	
1-Methylnaphthalene	ND		0.000250	
2-Chloronaphthalene	ND		0.000250	
2-Methylnaphthalene	ND		0.000250	
(S) Nitrobenzene-d5	92.6		33.8-179	
(S) 2-Fluorobiphenyl	93.7		55.5-150	
(S) p-Terphenyl-d14	94.9		46.2-163	

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

(LCS) 03/02/16 00:56 • (LCSD) 03/02/16 01:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.00200	0.00204	0.00201	102	101	68.9-153			1.49	20
Acenaphthene	0.00200	0.00191	0.00194	95.6	97.1	67.7-141			1.64	20
Acenaphthylene	0.00200	0.00192	0.00195	95.8	97.6	66.9-141			1.90	20
Benzo(a)anthracene	0.00200	0.00203	0.00202	101	101	63.1-147			0.340	20
Benzo(a)pyrene	0.00200	0.00196	0.00201	97.8	100	62.2-150			2.68	20
Benzo(b)fluoranthene	0.00200	0.00207	0.00202	104	101	58.4-148			2.75	20
Benzo(g,h,i)perylene	0.00200	0.00195	0.00201	97.7	100	57.4-152			2.64	20
Benzo(k)fluoranthene	0.00200	0.00188	0.00202	93.8	101	60.5-154			7.18	20



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

(LCS) 03/02/16 00:56 • (LCSD) 03/02/16 01:19

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chrysene	0.00200	0.00197	0.00204	98.5	102	64.8-155			3.51	20
Dibenz(a,h)anthracene	0.00200	0.00190	0.00196	95.1	98.0	53.5-153			3.04	20
Fluoranthene	0.00200	0.00206	0.00194	103	97.2	68.6-153			6.01	20
Fluorene	0.00200	0.00190	0.00194	95.2	97.0	67.3-141			1.84	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00192	0.00199	96.1	99.6	57.0-155			3.61	20
Naphthalene	0.00200	0.00190	0.00194	95.2	97.2	66.7-135			2.09	20
Phenanthrene	0.00200	0.00200	0.00192	100	96.0	64.3-143			4.24	20
Pyrene	0.00200	0.00201	0.00204	100	102	60.2-154			1.41	20
1-Methylnaphthalene	0.00200	0.00191	0.00193	95.3	96.6	68.3-144			1.27	20
2-Methylnaphthalene	0.00200	0.00191	0.00194	95.6	96.8	67.6-143			1.29	20
2-Chloronaphthalene	0.00200	0.00191	0.00194	95.5	97.2	69.7-144			1.73	20
(S) Nitrobenzene-d5				91.8	98.7	33.8-179				
(S) 2-Fluorobiphenyl				96.1	98.2	55.5-150				
(S) p-Terphenyl-d14				95.4	96.7	46.2-163				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Method Blank (MB)

(MB) 03/03/16 15:14

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	¹ Cp
Anthracene	ND		0.00600	
Acenaphthene	ND		0.00600	
Acenaphthylene	ND		0.00600	
Benzo(a)anthracene	ND		0.00600	
Benzo(a)pyrene	ND		0.00600	
Benzo(b)fluoranthene	ND		0.00600	
Benzo(g,h,i)perylene	ND		0.00600	
Benzo(k)fluoranthene	ND		0.00600	
Chrysene	ND		0.00600	
Dibenz(a,h)anthracene	ND		0.00600	
Fluoranthene	ND		0.00600	
Fluorene	ND		0.00600	
Indeno(1,2,3-cd)pyrene	ND		0.00600	
Naphthalene	ND		0.0200	
Phenanthrene	ND		0.00600	
Pyrene	ND		0.00600	
1-Methylnaphthalene	ND		0.0200	
2-Methylnaphthalene	ND		0.0200	
2-Chloronaphthalene	ND		0.0200	
(S) p-Terphenyl-d14	79.4		32.2-131	
(S) Nitrobenzene-d5	88.2		22.1-146	
(S) 2-Fluorobiphenyl	89.4		40.6-122	

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

(LCS) 03/03/16 14:31 • (LCSD) 03/03/16 14:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0800	0.0720	0.0761	90.0	95.1	50.3-130			5.49	20
Acenaphthene	0.0800	0.0723	0.0767	90.3	95.9	52.4-120			6.00	20
Acenaphthylene	0.0800	0.0717	0.0766	89.7	95.7	49.6-120			6.54	20
Benzo(a)anthracene	0.0800	0.0703	0.0727	87.9	90.8	46.7-125			3.29	20
Benzo(a)pyrene	0.0800	0.0582	0.0602	72.8	75.3	42.3-119			3.30	20
Benzo(b)fluoranthene	0.0800	0.0706	0.0717	88.3	89.6	43.6-124			1.43	20
Benzo(g,h,i)perylene	0.0800	0.0717	0.0737	89.6	92.1	45.1-132			2.72	20
Benzo(k)fluoranthene	0.0800	0.0717	0.0755	89.7	94.4	46.1-131			5.13	20



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

(LCS) 03/03/16 14:31 • (LCSD) 03/03/16 14:52

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chrysene	0.0800	0.0690	0.0734	86.2	91.8	49.5-131			6.27	20
Dibenz(a,h)anthracene	0.0800	0.0723	0.0750	90.4	93.7	44.8-133			3.61	20
Fluoranthene	0.0800	0.0736	0.0786	92.0	98.2	49.3-128			6.56	20
Fluorene	0.0800	0.0703	0.0758	87.8	94.8	50.6-121			7.61	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0721	0.0744	90.1	93.0	46.1-135			3.22	20
Naphthalene	0.0800	0.0728	0.0772	91.0	96.5	49.6-115			5.92	20
Phenanthrene	0.0800	0.0715	0.0768	89.4	96.0	48.8-121			7.05	20
Pyrene	0.0800	0.0760	0.0791	95.0	98.9	44.7-130			3.99	20
1-Methylnaphthalene	0.0800	0.0751	0.0800	93.9	100	50.6-122			6.28	20
2-Methylnaphthalene	0.0800	0.0737	0.0785	92.1	98.1	50.4-120			6.27	20
2-Chloronaphthalene	0.0800	0.0714	0.0746	89.3	93.3	53.9-121			4.39	20
(S) p-Terphenyl-d14				80.2	82.9	32.2-137				
(S) Nitrobenzene-d5				85.7	90.4	22.1-146				
(S) 2-Fluorobiphenyl				88.6	90.3	40.6-122				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Method Blank (MB)

(MB) 03/07/16 11:52

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	1 Cp
Anthracene	ND		0.00600	
Acenaphthene	ND		0.00600	
Acenaphthylene	ND		0.00600	
Benzo(a)anthracene	ND		0.00600	
Benzo(a)pyrene	ND		0.00600	
Benzo(b)fluoranthene	ND		0.00600	
Benzo(g,h,i)perylene	ND		0.00600	
Benzo(k)fluoranthene	ND		0.00600	
Chrysene	ND		0.00600	
Dibenz(a,h)anthracene	ND		0.00600	
Fluoranthene	ND		0.00600	
Fluorene	ND		0.00600	
Indeno(1,2,3-cd)pyrene	ND		0.00600	
Naphthalene	ND		0.0200	
Phenanthrene	ND		0.00600	
Pyrene	ND		0.00600	
1-Methylnaphthalene	ND		0.0200	
2-Methylnaphthalene	ND		0.0200	
2-Chloronaphthalene	ND		0.0200	
(S) p-Terphenyl-d14	78.3		32.2-131	
(S) Nitrobenzene-d5	86.1		22.1-146	
(S) 2-Fluorobiphenyl	81.3		40.6-122	

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

(LCS) 03/07/16 11:08 • (LCSD) 03/07/16 11:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0800	0.0604	0.0617	75.5	77.1	50.3-130			2.19	20
Acenaphthene	0.0800	0.0662	0.0667	82.8	83.3	52.4-120			0.640	20
Acenaphthylene	0.0800	0.0642	0.0643	80.2	80.3	49.6-120			0.160	20
Benzo(a)anthracene	0.0800	0.0647	0.0658	80.9	82.3	46.7-125			1.62	20
Benzo(a)pyrene	0.0800	0.0507	0.0510	63.3	63.7	42.3-119			0.640	20
Benzo(b)fluoranthene	0.0800	0.0650	0.0645	81.3	80.6	43.6-124			0.870	20
Benzo(g,h,i)perylene	0.0800	0.0599	0.0609	74.9	76.1	45.1-132			1.68	20
Benzo(k)fluoranthene	0.0800	0.0591	0.0600	73.9	75.0	46.1-131			1.46	20



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

(LCS) 03/07/16 11:08 • (LCSD) 03/07/16 11:30

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Chrysene	0.0800	0.0583	0.0584	72.8	73.0	49.5-131			0.250	20
Dibenz(a,h)anthracene	0.0800	0.0592	0.0597	74.0	74.6	44.8-133			0.830	20
Fluoranthene	0.0800	0.0631	0.0645	78.9	80.6	49.3-128			2.16	20
Fluorene	0.0800	0.0670	0.0680	83.8	85.0	50.6-121			1.41	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0591	0.0601	73.9	75.1	46.1-135			1.63	20
Naphthalene	0.0800	0.0692	0.0706	86.4	88.2	49.6-115			2.02	20
Phenanthrene	0.0800	0.0688	0.0705	86.0	88.1	48.8-121			2.41	20
Pyrene	0.0800	0.0664	0.0677	83.0	84.6	44.7-130			1.85	20
1-Methylnaphthalene	0.0800	0.0687	0.0699	85.9	87.4	50.6-122			1.70	20
2-Methylnaphthalene	0.0800	0.0677	0.0685	84.6	85.7	50.4-120			1.25	20
2-Chloronaphthalene	0.0800	0.0619	0.0623	77.4	77.9	53.9-121			0.640	20
(S) <i>p</i> -Terphenyl- <i>d</i> 14				72.1	72.9	32.2-131				
(S) Nitrobenzene- <i>d</i> 5				82.3	82.1	22.1-146				
(S) 2-Fluorobiphenyl				77.7	78.6	40.6-122				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Method Blank (MB)

(MB) 03/04/16 12:15

Analyte	MB Result mg/kg	<u>MB Qualifier</u>	MB RDL mg/kg	1 Cp
Anthracene	ND		0.00600	
Acenaphthene	ND		0.00600	
Acenaphthylene	ND		0.00600	
Benzo(a)anthracene	ND		0.00600	
Benzo(a)pyrene	ND		0.00600	
Benzo(b)fluoranthene	ND		0.00600	
Benzo(g,h,i)perylene	ND		0.00600	
Benzo(k)fluoranthene	ND		0.00600	
Chrysene	ND		0.00600	
Dibenz(a,h)anthracene	ND		0.00600	
Fluoranthene	ND		0.00600	
Fluorene	ND		0.00600	
Indeno(1,2,3-cd)pyrene	ND		0.00600	
Naphthalene	ND		0.0200	
Phenanthrene	ND		0.00600	
Pyrene	ND		0.00600	
1-Methylnaphthalene	ND		0.0200	
2-Methylnaphthalene	ND		0.0200	
2-Chloronaphthalene	ND		0.0200	
(S) p-Terphenyl-d14	102		32.2-131	
(S) Nitrobenzene-d5	99.2		22.1-146	
(S) 2-Fluorobiphenyl	105		40.6-122	

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) 03/04/16 11:32 • (LCSD) 03/04/16 11:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits %
Anthracene	0.0800	0.0800	0.0783	100	97.8	50.3-130			2.25	20
Acenaphthene	0.0800	0.0816	0.0787	102	98.4	52.4-120			3.59	20
Acenaphthylene	0.0800	0.0814	0.0786	102	98.3	49.6-120			3.56	20
Benzo(a)anthracene	0.0800	0.0828	0.0793	103	99.1	46.7-125			4.29	20
Benzo(a)pyrene	0.0800	0.0747	0.0735	93.4	91.9	42.3-119			1.57	20
Benzo(b)fluoranthene	0.0800	0.0798	0.0791	99.8	98.9	43.6-124			0.950	20
Benzo(g,h,i)perylene	0.0800	0.0867	0.0811	108	101	45.1-132			6.71	20
Benzo(k)fluoranthene	0.0800	0.0781	0.0793	97.6	99.1	46.1-131			1.53	20



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

(LCS) 03/04/16 11:32 • (LCSD) 03/04/16 11:54

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	<u>LCS Qualifier</u>	<u>LCSD Qualifier</u>	RPD %	RPD Limits
Chrysene	0.0800	0.0844	0.0802	105	100	49.5-131			5.08	20
Dibenz(a,h)anthracene	0.0800	0.0888	0.0844	111	106	44.8-133			5.02	20
Fluoranthene	0.0800	0.0815	0.0792	102	99.1	49.3-128			2.76	20
Fluorene	0.0800	0.0806	0.0779	101	97.4	50.6-121			3.35	20
Indeno(1,2,3-cd)pyrene	0.0800	0.0886	0.0845	111	106	46.1-135			4.75	20
Naphthalene	0.0800	0.0810	0.0788	101	98.4	49.6-115			2.78	20
Phenanthrene	0.0800	0.0819	0.0790	102	98.7	48.8-121			3.61	20
Pyrene	0.0800	0.0868	0.0925	108	116	44.7-130			6.40	20
1-Methylnaphthalene	0.0800	0.0806	0.0777	101	97.1	50.6-122			3.64	20
2-Methylnaphthalene	0.0800	0.0804	0.0781	101	97.6	50.4-120			2.95	20
2-Chloronaphthalene	0.0800	0.0802	0.0780	100	97.5	53.9-121			2.83	20
(S) p-Terphenyl-d14				94.6	102	32.2-131				
(S) Nitrobenzene-d5				96.3	97.3	22.1-146				
(S) 2-Fluorobiphenyl				102	99.5	40.6-122				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

L820309-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 15:07 • (MS) 03/04/16 15:29 • (MSD) 03/04/16 15:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits
Anthracene	0.0800	ND	0.0597	0.0682	74.6	85.3	1	26.5-141		13.3	21.2
Acenaphthene	0.0800	ND	0.0727	0.0765	90.8	95.6	1	31.9-130		5.09	20
Acenaphthylene	0.0800	ND	0.0745	0.0768	93.1	95.9	1	33.7-129		3.00	20
Benzo(a)anthracene	0.0800	ND	0.0426	0.0557	53.3	69.6	1	18.3-136	J3	26.5	24.6
Benzo(a)pyrene	0.0800	ND	0.0412	0.0558	51.6	69.8	1	16.9-135	J3	30.1	25.2
Benzo(b)fluoranthene	0.0800	ND	0.0355	0.0511	44.3	63.8	1	10.0-134	J3	36.1	30.9
Benzo(g,h,i)perylene	0.0800	ND	0.0453	0.0577	56.6	72.1	1	14.1-140		24.1	25.5
Benzo(k)fluoranthene	0.0800	ND	0.0410	0.0565	51.3	70.7	1	18.2-138	J3	31.7	25.6
Chrysene	0.0800	ND	0.0436	0.0567	54.6	70.9	1	17.1-145	J3	26.1	24.2
Dibenz(a,h)anthracene	0.0800	ND	0.0449	0.0592	56.2	74.0	1	18.5-138	J3	27.5	24.3
Fluoranthene	0.0800	ND	0.0541	0.0646	67.6	80.8	1	15.4-144		17.8	27.1
Fluorene	0.0800	ND	0.0688	0.0733	86.0	91.6	1	23.5-136		6.34	20
Indeno(1,2,3-cd)pyrene	0.0800	ND	0.0434	0.0586	54.2	73.2	1	14.5-142	J3	29.8	25.8
Naphthalene	0.0800	0.00144	0.0770	0.0777	94.5	95.4	1	29.2-128		0.900	20
Phenanthrene	0.0800	ND	0.0649	0.0714	81.2	89.2	1	20.1-134		9.48	23.6
Pyrene	0.0800	ND	0.0608	0.0725	76.0	90.7	1	11.0-148		17.7	26.1



L820309-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 03/04/16 15:07 • (MS) 03/04/16 15:29 • (MSD) 03/04/16 15:50

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits	<u>MS Qualifier</u>	<u>MSD Qualifier</u>	RPD %	RPD Limits
1-Methylnaphthalene	0.0800	ND	0.0747	0.0767	93.3	95.9	1	28.4-137			2.72	20
2-Methylnaphthalene	0.0800	ND	0.0747	0.0765	93.3	95.6	1	26.6-137			2.40	20
2-Chloronaphthalene	0.0800	ND	0.0732	0.0758	91.5	94.8	1	38.6-126			3.55	20
(S) <i>p</i> -Terphenyl- <i>d</i> 14					81.1	69.3		32.2-131				
(S) Nitrobenzene- <i>d</i> 5					92.8	96.2		22.1-146				
(S) 2-Fluorobiphenyl					93.4	95.0		40.6-122				

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc



Abbreviations and Definitions

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

Qualifier Description

J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
O1	The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.
V	The sample concentration is too high to evaluate accurate spike recoveries.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ GI⁸ Al⁹ Sc



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
Connecticut	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 ¹⁴	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.**

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



YOUR LAB OF CHOICE

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



L# L820420

J105

Acctnum: AWPROMNC

Template: T109915

Prelogin: P542388

TSR: 350 - Jimmy Hunt

PB: 2/19/16 ab

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (lab only)

A & W Professional Services, PLLC7900-D Stevens Mill Road, # 120
Matthews, NC 28104

Billing Information:

Mr. Austin Hewitt
7900-D Stevens Mill Road, # 120
Matthews, NC 28104

Analysis / Container / Preservative

Report to:

Mr. Austin Hewitt

Email To: austin@awprofessionalservices.com

Project

Description: *Soil Delineation*

Phone: 704-877-3541

Fax:

Collected by (print):

Scott Stehlak/Austin

Collected by (signature):

Scott Stehlak

Immediately

Packed on Ice: N Y City/State
Collected: Brooklyn
NYLab Project #
AWPROMNC-BROOKLYN

Client Project #

Site/Facility ID #
BROOKLYN, NY

P.O. #

Rush? (Lab MUST Be Notified)

Same Day	200%
Next Day	100%
Two Day	50%
Three Day	25%

Date Results Needed

Email? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	No. of Cntrs
FAX? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/>	

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	3	Diss. RCRA8 Metals 500mHDPE-NoPres	PAHSIMLVID 40mlAmb-NoPres-WT	RCRA8 Metals 2ozClr-NoPres	SV8270PAHSIMD 4ozAmb-NoPres	Screen for V8260C 2ozClr-NoPres	TS 2ozClr-NoPres	V8260C (MeOH) 40ml/NaHSO4/Syr/MeOH	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	-01	
DS-13A	G	SS	3'	2/26/16	945	3			X X			X					02
DS-13B		SS	6'		955	3			X X			X					03
DS-13C		SS	9"		1000	3			X X			X					04
DS-14A		SS	3"		1010	3			X X			X					05
DS-14B		SS	6"		1020	3			X X			X					06
DS-14C		SS	9"		1025	3			X X								07
SGW-1		GW		2/25/16	1220	6	X	X									08
MGW-2		GW		2/25/16	400	6	X	X									09
MGW-3		GW		2/25/16	330	6	X	X									10
MGW-4		GW		2/26/16	1220	6	X	X									

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

6el7 3614 2100
2155

pH _____ Temp _____

Flow _____ Other _____

Hold #

Condition: (lab use only) *good*

Remarks:

Relinquished by : (Signature)

Scott Stehlak

Date:

2/26/16 500

Time:

Received by: (Signature)

Samples returned via: UPS FedEx Courier

Relinquished by : (Signature)

Scott Stehlak

Date:

Time:

Received by: (Signature)

Temp: 3.2 °C Bottles Received: 111+3TB

Relinquished by : (Signature)

Scott Stehlak

Date:

Time:

Received for lab by: (Signature)

Date: 2-27-16 Time: 9:00

pH Checked: NCF: COC Seal Intact: Y N NA

A & W Professional Services, PLLC

 7900-D Stevens Mill Road, # 120
 Matthews, NC 28104

 Report to:
Mr. Austin Hewitt

Billing Information:

 Mr. Austin Hewitt
 7900-D Stevens Mill Road, # 120
 Matthews, NC 28104

Email To: austin@awprofessionalservices.com

 Project Description: *Soil Delineation*

 City/State Collected: *Brooklyn NY*

 Lab Project # **AWPROMNC-BROOKLYN**

 Phone: **704-877-3541**

Fax:

 Collected by (print): *Scott Stehlík*

Client Project #

 Site/Facility ID # **BROOKLYN, NY**

P.O. #

 Collected by (signature): *Scott Stehlík*
 Immediately
 Packed on Ice N Y
Rush? (Lab MUST Be Notified)

Same Day	200%
Next Day	100%
Two Day	50%
Three Day	25%

Date Results Needed

 Email? No Yes
 FAX? No Yes

No. of Cntrs

 Sample ID **DS-15A**

Comp/Grab

Matrix *

Depth

Date

Time

3

DS-15B

G

SS

3

2/26/16

1040

3

DS-15C

6

SS

6

1045

3

DS-16A

9

SS

9

1050

3

DS-16B

3

SS

3

1110

3

DS-16C

6

SS

6

1115

3

DS-17A

9

SS

9

1120

3

DS-17B

3

SS

3

1140

3

DS-17C

6

SS

6

1145

3

DS-18A

9

SS

9

1150

3

DS-18B

3

SS

3

1205

3

DS-18C

3

SS

3

1205

3

DS-18D

3

SS

3

1205

3

Analysis / Container / Preservative

Chain of Custody

 Page **7** of **7**
ESC
 L-A-B S-C-I-E-N-C-E-S
 YOUR LAB OF CHOICE

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

 L# **L826420**
 Table #

 Acctnum: **AWPROMNC**
 Template: **T109915**
 Prelogin: **P542388**

 TSR: 350 - Jimmy Hunt
 PB: **2/19/16**
 Shipped Via: **FedEX Ground**

Rem./Contaminant Sample # (lab only)

- 11

12

13

14

15

16

17

18

19

20

Hold #

 Condition: **(lab use only)**

 COC Seal Intact: **Y** **N** **NA**

 pH Checked: **✓** NCF: **✓**

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

pH _____ Temp _____

Flow _____ Other _____

 Samples returned via: UPS

 FedEx Courier

 Temp: **3.2** °C Bottles Received: **111+3+B**

 Date: **2-27-16** Time: **9:00**



YOUR LAB OF CHOICE

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



L# 1820426

Table #

Acctnum: AWPROMNC

Template: T109915

Prelogin: P542388

TSR: 350 - Jimmy Hunt

PB: 2/19/16 MTC

Shipped Via: FedEx Ground

Rem./Contaminant Sample # (Lab only)

A & W Professional Services, PLLC7900-D Stevens Mill Road, # 120
Matthews, NC 28104

Billing Information:

Mr. Austin Hewitt
7900-D Stevens Mill Road, # 120
Matthews, NC 28104Report to:
Mr. Austin Hewitt

Email To: austin@awprofessionalservices.com

Project Description: *Soil Delicitation*City/State Collected: *Brooklyn N.Y.*

Phone: 704-877-3541

Client Project #

Lab Project #
AWPROMNC-BROOKLYN

Fax:

Collected by (print): *Scott Stehlke*Site/Facility ID #
BROOKLYN, NY

P.O. #

Collected by (signature): *Scott Stehlke*

Rush? (Lab MUST Be Notified)

Date Results Needed

Same Day	200%
Next Day	100%
Two Day	50%
Three Day	25%

Email? No Yes
FAX? No Yes

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Diss. RCRA8 Metals 500mlHDPE-NoPres	PAHSIMLVID 40mlAmb-NoPres-WT	RCRA8 Metals 2ozClr-NoPres	SV8270PAHSIMD 4ozAmb-NoPres	Screen for V8260C 2ozClr-NoPres	TS 2ozClr-NoPres	V8260C (MeOH) 40ml/NaHSO4/Syr/MeOH	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40mlAmb-HCl	
DS-18B	G	SS	6'	2/26/16	1220	X	X	X	X	X	X	X	X		21
DS-18C		SS	9'		1225	X	X	X	X	X	X	X			22
DS-19A		SS	3'		100	X	X	X	X	X	X	X			23
DS-19B		SS	6'		120	X	X	X	X	X	X	X			24
DS-19C		SS	9'		125	X	X	X	X	X	X	X			25
DS-20A		SS	3'		200	X	X	X	X	X	X	X			26
DS-20B		SS	6'		205	X	X	X	X	X	X	X			27
DS-20C		SS	9'		210	X	X	X	X	X	X	X			28
DS-21A		SS	3'		220	X	X	X	X	X	X	X			29
DS-21B		SS	6'		225	X	X	X	X	X	X	X			30

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

Relinquished by : (Signature)

Date: 2/26/16

Time: 500

Received by: (Signature)

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature)

pH _____ Temp _____

Flow _____ Other _____

Hold #

(Lab use only)

Samples returned via: UPS FedEx Courier

Temp: °C Bottles Received:

3.2 111+3TB

COC Seal Intact: Y N NA

Date: 2/27/16 Time: 9AM

pH Checked: NCF:

A & W Professional Services, PLLC

7900-D Stevens Mill Road, # 120
Matthews, NC 28104

Billing Information:

Mr. Austin Hewitt
7900-D Stevens Mill Road, # 120
Matthews, NC 28104

Report to:
Mr. Austin Hewitt

Email To: austin@awprofessionalservices.com

Project Description: **Soil Delineation**

Phone: 704-877-3541

Fax:

Collected by (print):
Scott Stehlak

Site/Facility ID #
BROOKLYN, NY

City/State
Collected: **Brooklyn
N.Y.**

Lab Project #
AWPROMNC-BROOKLYN

P.O. #

Collected by (signature):
Scott Stehlak
Immediately
Packed on Ice N Y

Rush? (Lab MUST Be Notified)

Same Day 200%
Next Day 100%
Two Day 50%
Three Day 25%

Date Results Needed

Email? No Yes
FAX? No Yes

No.
of
Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	7	8	PAHSIMLVID 40ml/Amb-NoPres	RCRA8 Metals 2ozClr-NoPres	SV8270PAHSIMD 4ozAmb-NoPres	TS 2ozClr-NoPres	V8260C (MeOH) 40ml/NaHSO4/Syr/MeOH	V8260C 40ml/NaHSO4/Syr/MeOH	V8260C 40ml/Amb-HCl
DS-21C	G	SS	9'	2/26/16	230	7	8	X	X	X	X	X	X	
DS-22A	G	SS	3'		235	7		X	X	X	X	X	X	
DS-22B	G	SS	9'		240	7		X	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	
		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	

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

Relinquished by : (Signature)

Date:

2/26/16 500

Time:

Received by: (Signature)

pH _____ Temp _____

Flow _____ Other _____

Hold #

Condition: (lab use only) **G150**

Relinquished by : (Signature)

Date:

Time:

Received by: (Signature)

Samples returned via: UPS

FedEx Courier

Relinquished by : (Signature)

Date:

Time:

Received for lab by: (Signature)

Temp: °C Bottles Received:

3.2 111 + 3TB

Date: Time:

2/27/16 9W

COC Seal Intact: Y N NA

pH Checked: NCF:



L# L820426
Table #

Acctnum: AWPROMNC
Template: T109915
Prelogin: P542388
TSR: 350- Jimmy Hunt
PB: 2/19/16 000
Shipped Via: FedEx Ground
Rem./Contaminant Sample # (lab only)

ESC Lab Sciences
Non-Conformance Form

Non-Conformance (check applicable items)		Date: 2/27/16	Evaluated by: Brian
Sample Integrity	Chain of Custody Clarification	If Broken Container:	
Parameter(s) past holding time	x Login Clarification Needed		
Improper temperature	Chain of custody is incomplete	Insufficient packing material around container	
Improper container type	Please specify Metals requested.	Insufficient packing material inside cooler	
Improper preservation	Please specify TCLP requested.	Improper handling by carrier (FedEx / UPS / Courier)	
Insufficient sample volume.	Received additional samples not listed on coc.	Sample was frozen	
Sample is biphasic.	Sample ids on containers do not match ids on coc	Container lid not intact	
Vials received with headspace.	Trip Blank not received.	If no Chain of Custody:	
Broken container	Client did not "X" analysis.	Received by:	
Broken container:	Chain of Custody is missing	Date/Time:	
Sufficient sample remains		Temp/Cont. Rec./ph:	
		Carrier:	
		Tracking#	

Login Comments: _____

1. ID's don't match the COC and Containers for the following. MGT-2 (Container)
and MGW-4 (COC) - GMW-4 (Container). Logged per COC.
2. For DS-18B thru DS-22B only received (1-4ozamb, and 2-2oz). No VOC vials received.

Client informed by:	Call	x Email	Voice Mail	Date: 2/29/16	Time: 0825
Client Contact:	Austin Hewitt				

Lorain Mississippian

This E-mail and any attached files are confidential, and may be copyright protected. If you are not the addressee, any dissemination of this communication is strictly prohibited. If you have received this message in error, please contact the sender immediately and delete/destroy all information received.



John T. Burkart
Field Professional

Education: University of Pittsburgh,
Bachelor of Science Earth and Environmental Sciences

Licenses/Registrations: Professional Geologist in Indiana IN1274, Illinois #196.001.1256, Texas #912, Kentucky #0394, Tennessee #652, Washington State #1662 Geologist and Hydrogeologist, Mississippi # 0133, Alabama #3419, Pennsylvania # 107G, New Hampshire #717, Wyoming # 2356, REA I CA 0313.

Years of Experience: 23 years

Summary of Professional Experience

Mr. Burkart has successfully managed single and multi-site environmental due diligence projects encompassing a broad range of property types including, retail, office, industrial (ROI), hospitality, assisted living and special use. He has interfaced directly with bank loan officers, regulatory agencies, environmental analysts and numerous borrowers on subjects including environmental compliance and liability as well as contracting and scope of work issues. Mr. Burkart's major projects included large-scale loan portfolio due diligence assessments, subsurface soil and groundwater investigations, underground storage tank removals and desk reviews of inactive hazardous waste sites, cost analysis, Remedial Action Plans, Comprehensive Site Assessments and closure with regulatory agencies.

Mr. Burkart has over 20 years experience in the consulting field, Mr. Burkart has performed Environmental Site Assessments (ESAs) and Phase II Environmental Site Assessments (Phase II) throughout United States for major lending institutes, industrial and private companies. He has also performed geological and hydrogeological investigations, groundwater monitoring well development, and other soil and groundwater investigation projects as well as remediation of complex sites.

Mr. Burkart has also served as Project Manager for hazardous material compliance audits, remediation compliance issues and inactive hazardous waste site closures. He has been responsible for QA/QC oversight and successfully developed and implemented multiple project-tracking database programs.

Mr. Burkart is multiple disciplined in geology and hydrogeology and familiar with regulatory guidelines on a nationwide basis.

Mr. Burkart has published articles for trade shows and magazines as well as provided expert testimony for bankruptcy cases and environmental cases.

Mark Halloran

Director

**YEARS OF
EXPERIENCE: 21****EDUCATION**

Master of City and
Regional Planning
Rutgers University

Bachelor of Arts
Saint Michael's College

**LICENSES AND
CERTIFICATIONS**

Certified ASTM E 1527
trainer

AFFILIATIONS

MBA of America
CREFC

SUMMARY OF SKILLS AND TECHNICAL QUALIFICATIONS

Mr. Halloran's career has paralleled the growth of the real estate due diligence industry. In the early 1990s, he conducted Phase I ESAs for the nascent assessment industry. When the due diligence business began to self-regulate circa 1993, Mr. Halloran was among the first group to be trained by ASTM to teach their site assessment class. While working for a due diligence firm, Mr. Halloran had the unique experience of formally educating his client's on environmental risk through the ASTM training courses. During this period, the commercial loan securitization industry was developing in NYC. Mr. Halloran played an integral role in the development of assessment guidelines for pioneering firms in the CMBS industry. Since the mid-1990s, his focus has been on business development and the generation and maintenance of relationships with firms that provide the full suite of commercial real estate related services. Mr. Halloran has performed this role for privately-held firms and for a publically-traded, Fortune 500 company.

**ENVIRONMENTAL
ASSESSMENT**

Mr. Halloran started his career as a writer for a conservation group in NJ. While studying for a Master's Degree, Mr. Halloran worked as an environmental planner for an international environmental engineering firm. Mr. Halloran has performed hundreds of environmental assessments for public entities and for major lending institutions and equity players.

**PROPERTY CONDITION
ASSESSMENT**

Having worked closely with construction professionals, contractors and engineers, Mr. Halloran has developed a working knowledge of the requirements to complete Property Condition Surveys for lenders and developers.

PROFESSIONAL EXPERIENCE & CAREER HIGHLIGHTS***Vice President, National Sales***

Responsible for direct relationships with select national clients and for the management of the overall sales planning process involving national and regional client managers.

- Management of and responsibility for several National Sales Managers
- Understanding and promotion of non-core services including appraisal, title, lease abstraction, and cost segregation

Director of Business Development

Managed national clients while running the sales team for a Houston-based due diligence firm.

- Expansion of client base both geographically and by client type
- Oversaw and exponential growth in sales revenue from 2000 – 2004

Austin Hewitt, PE, LEED AP

Field Professional

YEARS OF EXPERIENCE: 9

EDUCATION

Bachelor of Science, Civil & Environmental Engineering,
Tennessee Tech University, 2002

REGISTRATIONS

Registered Professional Engineer,
North Carolina, #034411

LICENSES AND CERTIFICATIONS

OSHA 40-Hour Hazardous Waste Worker
LEED Accredited Professional,
#103467456

SUMMARY OF SKILLS AND QUALIFICATIONS

- Over 9 years experience - performing Phase I, Phase II, property condition assessments, construction draws, and other environmental /structural site reconnaissance services.
- Over 3 years experience – as a project manager overseeing nationwide projects for one of the largest lender-related due diligence firms in the nation.

SUMMARY OF COMPLETED PROJECTS

- Managed over 300 ASTM compliant phase II projects in the past 5 years
- Personally written over 200 ASTM compliant phase I, phase II, and/or PCA reports within the last 3 years
- Personally performed the site reconnaissance and total report preparation for projects in 24 states; including 6 projects in Mexico
- Completed 7 construction draw inspections for lending institutions over the last year

RECENT PROJECTS

- Phase II, Soil-Gas, & Indoor Air Sampling: Rochdale Village – Queens, NY
- Phase II Portfolio: 9 Penn-Med rush projects - Pennsylvania
- Phase II: 850 The Alameda – San Jose, CA
- Phase II: Subaru Dealership – Kalispell, MT
- Construction Draw: Yorktowne Apartments – Durham, NC
- Phase II: Westinghouse Research Park – Churchill, PA