191 NORTH
Environmental Consulting

2706 E. 29th Avenue

Spokane, Washington

Prepared For:
The Gas Company
4606 S. Tampa Drive
Spokane, Washington 99223

Project Number:
2022-22127

Report Date:
March 1, 2022

PHASE II ENVIRONMENTAL SITE ASSESSMENT

Prepared By:
191 North, LLC
418 E. Lakeside Ave., Ste 214
Coeur d'Alene, Idaho 83814
208-391-6923

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Coeur d'Alene, ID 83814
P: (208) 391-6923

March 1, 2023
Project No.: 2022-22127

Mr. Greg Svoboda
The Gas Company
4606 S. Tampa Drive
Spokane, Washington 99223
P: (509) 981-8582
E: loriannesvoboda@yahoo.com

RE: Phase II Environmental Site Assessment
2706 E. 29th Avenue
Spokane, Washington

Dear Mr. Svoboda:

191 North, LLC (191 North) is pleased to provide this Limited Environmental Site Evaluation (LESE) for the above referenced Site. This project was performed in accordance with our proposal dated October 17, 2022.

BACKGROUND

A Phase I Environmental Site Assessment (Phase I ESA) completed by 191 North (dated December 15, 2021) identified the Site historic uses included a gas station with underground storage tanks (USTs) and identified the following recognized environmental conditions (RECs):

- Former USTs on Site consisted of a 6,000-gallon UST and two 4,000-gallon USTs that appear to be located a the approximate same/similar location of present-day USTs. Present-day USTs consist of a 10,000-gallon UST containing regular gas, a 6,000-gallon UST containing premium gasoline, a 6,000-gallon UST containing diesel, and a 500/550-gallon waste-oil UST. The current and former USTs at the Site were identified as a recognized environmental condition (REC) as 191 North could not rule out the potential of impact from an un-reported or unidentified release from the USTs and associated infrastructure (piping) as they have subsurface components that have been underground for at least 30 years.

- The fire department provided a permit dated 2004 for the removal of a heating oil tank located at the south side of the building. Comments on the heating oil tank removal state a 550-gallon heating oil tank was removed and that multiple pin-holes were observed in the tank and that soil was contaminated. It was further stated that the contaminated soil was not completely removed due to concerns it would undermine and damage the building. The excavation area was reported to be backfilled with clean imported fill. The reported contaminated soils left in place after the removal of the heating oil tank were identified as a recognized environmental condition to the Site at this time.

- The sump in the eastern service bay was identified to be connected to and discharge at a drywell located at the southern side of the building. The drywell was identified as a REC due to direct reception of fluids from the sump.

- The two in-ground lifts in the service bays were identified as a REC due to the unknown condition of the subsurface components.

191 North was unable to rule out potential the historic uses negatively impacted the Site and recommended additional investigation.

SCOPE OF SERVICES- STATEMENT OF OBJECTIVE(S)

In general accordance with our proposal, 191 North subcontracted private utility locator with a ground penetrating radar (GPR) and a drilling contractor with a Geoprobe direct-push drill rig to advance eight (8) borings to collect soil samples for analysis in effort to identify if the historic gas station use (underground storage tanks and supply lines, former waste oil tank, and sump discharge point from building interior sump) negatively impacted the Site. 191 North also reviewed work/reports completed between this LESE and the Phase I ESA for the removal of the two in-ground lifts and removal of waste oil tank located at east side of building. Our field services were conducted on May 3, 2022 (GPR) and on November 10, 2022 (drilling/sampling) and overseen by Mr. Seth Brundige, professional geologist with 191 North.

STANDARD OF CARE

191 North's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. 191 North makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Please note that 191 North does not warrant the work of laboratories, regulatory agencies or other third parties supplying information used in the preparation of the report. These Phase II services were performed in accordance with the scope of services agreed with you, our client, as reflected in our proposal.

ADDITIONAL SCOPE LIMITATIONS

Findings, conclusions and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of services; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this Phase II. Subsurface conditions may vary from those encountered at specific subsurface exploration locations or during other surveys, tests, assessments, evaluations or exploratory services; the data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services.

RELIANCE

This report has been prepared for the exclusive use and reliance of The Gas Company. Any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of the client and 191 North. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal and LESE. The limitation of liability defined in the terms and conditions is the aggregate limit of 191 North's liability to the client and all relying parties unless otherwise agreed in writing.

FIELD ACTIVITIES

GROUND PENETRATING RADAR (GPR)

A private utility locator was subcontracted by 191 North to utilize GPR at the Site in an effort to establish the location (or former location) of potential USTs. Mr. Brundige with 191 North was present when the contractor utilized the GPR in accessible exterior areas of the Site on October 25, 2022. GPR data was collected by moving in close adjacent lines (where possible) at the Site for good coverage of subsurface soils by the subcontractor Geophysical Survey, explaining the readings displayed by GPR monitor/screen. Diagram of findings from Geophysical Survey included in Appendix B. USTs were not identified other than the three USTs associated with the recent (currently temporarily closed) use of the Site gas station located at the west side of the building.

REVIEW OF WORK COMPLETED FOR IN-GROUND HOISTS AND WASTE-OIL UST

The 550-gallon waste-oil tank identified present at the southeast exterior side of the building was reported removed by Able Cleanup Technologies on August 24, 2022. The soils were analyzed for Northwest Total Petroleum Hydrocarbon Diesel and Residual Range Organics. Impact to soils was identified present below/around the waste-oil UST and approximately 17 tons of soil was removed and disposed at Graham Road Landfill in Medical Lake. Confirmation sampling indicated Northwest Total Petroleum Hydrocarbon Diesel and Residual Range Organics were below Washington Model Toxics Act (MTCA) cleanup levels (CULs). The former waste oil tank does not appear to represent a significant environmental concern at this time.

The two in-ground lifts formerly located in the service bay were reported removed by Able Cleanup Technologies with soil samples obtained August 26, 2022. The soils were analyzed for Northwest Total Petroleum Hydrocarbon Diesel and Residual Range Organics. Samples obtained were below Washington Model Toxics Act (MTCA) cleanup levels (CULs) for the respective analytes. Based on the removal of the lifts and subsequent soil sampling/testing of underlying/surrounding soil with identified analytes below respective CULs, the former lifts do not appear to represent a significant environmental concern at this time.

SAMPLING PROGRAM AND LABORATORY ANALYSIS

The soils encountered consisted primarily of sand with gravel that were brown to gray in color. Soil samples were collected using four-foot Geoprobe core barrel single-use sleeve samplers. Samples for analysis were selected at the interval of most likely environmental impact as determined in the field by the sampling professional, on field screening methods, and/or soil interval mostly likely to contain high(er) concentration of analytes. The borings were backfilled with bentonite chips.

The approximate boring locations are illustrated on Figure 2.

191 North collected samples for analysis from the eight (8) boring locations. Soil samples were collected placed in laboratory prepared containers, labeled, and placed on ice in a cooler. Groundwater was not encountered.

The samples and completed chain-of-custody forms were submitted to Pace Analytical, a Washington State certified laboratory for the selected analytical analysis for a standard turnaround time by the following methods.

Analysis	Sample Type	No. of Samples	Laboratory Method
BTEX, Nap, MTBE, EDC	Soil	8	V8260D
Carcinogenic PAHs	Soil	8	8270E-SIM
NWTPH-Gx	Soil	8	NWTPH-Gx
NWTPH-DRO/RRO	Soil	8	NWTPH-Dx
PCBs	Soil	8	8082ND

PAHs = Polycyclic aromatic hydrocarbons
NWTPH= Northwest Total Petroleum Hydrocarbon
Gx= Gasoline
DRO/RRO= Diesel Range Organics, Residual Range Organics

The executed chain-of-custody forms and laboratory data analytical reports are provided in Appendix B.

DATA EVALUATION

Based on the laboratory analysis, analytes were detected at concentrations above the applicable laboratory method detection limits, however, below applicable Model Toxics Control Act (MTCA) Method A cleanup levels (CULs) for unrestricted land use with the exception of Boring B1 (very close to established carcinogenic PAHs CUL) and Boring B5 (at/adjacent to covered drywell that received discharge from interior floor drains/sump) having a concentration above CULs for Total Petroleum Hydrocarbons Diesel Range Organics and Residual Range Organics (NWTPH-Dx and NWTPH-Ox). The detected concentrations are shown in the following tables with comparison to the MTCA Method A cleanup levels.

Summary of Soil Analytical Results

Sample ID	Date Sampled	Depth (ft/bgs)	TPH-Dx	TPH-Ox	TPH-Gx	Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	EDC	Naph	Carcinogenic PAHs	PCBs
			Values in mg/kg											
B1	11/10/22	4'-8'	19.4	119	ND	0.00587	0.0176	0.00509	ND	ND	ND	ND	**0.10911**	ND
B2	11/10/22	12'-13.1'	8.32	53.1	1.12	0.00664	0.0243	0.00439	ND	ND	ND	ND	0.029	ND
B3	11/10/22	8'-9.6'	ND	ND	ND	0.00622	0.0192	0.00419	ND	ND	ND	ND	0.001	ND
B4	11/10/22	12'-13'	96.6	339	1.99	0.00913	0.0269	0.00549	ND	ND	ND	ND	0.001	ND
B5	11/10/22	4'-8'	**2570**	**5150**	2.1	0.0075	0.0226	0.00478	ND	5E-04	ND	ND	0.0055	ND
B6	11/10/22	6'-8'	2.79	3.54	ND	0.00557	0.0148	0.00494	ND	8E-04	ND	ND	0.00138	ND
B7	11/10/22	12'-16'	ND	ND	ND	0.00513	0.0136	0.00418	ND	ND	ND	ND	0.001	ND
B8	11/10/22	8'-12'	ND	ND	ND	0.00494	0.0123	0.00407	ND	ND	ND	ND	0.001	ND
TCA Method A Cleanup Level			2,000	2,000	30	0.03	7	6	9	0.1	NE	5	0.1	250

Note: Results in **BOLD** indicate concentrations that exceed MTCA Method A Cleanup Levels for soil

ND= Not detected within laboratory testing limits	EDB= 1,2-dibromoethane (ethylene dibromide)
EDC= 1,2-Dichloroethane (ethylene dichloride)	NE= Not Established
Naph= Naphthalene	ft/bgs= Feet below ground surface
TPH-Dx = Total diesel range petroleum hydrocarbons	TPH-Ox = Total oil range petroleum hydrocarbons
TPH-Gx = Total gasoline range petroleum hydrocarbons	MTBE = Methyl-tert-butyl-ether
MTCA = Model Toxics Control Act	

SUMMARY OF FINDINGS, OPINIONS AND RECOMMENDATIONS

The objective of the PHASE II was to evaluate the presence and/or absence of the selected analytes in the soils sampled based on the RECs identified in the Phase I Environmental Site Assessment completed by 191 North dated December 15, 2021. The following summary of findings along with opinions and recommendations are provided:

- Based on the laboratory analysis/results of the soil samples, selected analyte concentrations of were below the applicable MTCA Method A cleanup levels with the exception of soil samples obtained at B1 and B5, with were above applicable CULs for carcinogenic PAHs (B1) and NWTPH-Dx and NWTPH-Ox (B5).

- Boring B5 soil sample obtained at/near the drywell where the discharge point from the building interior service bay sump was identified to discharge at. 191 North recommends this area be further assessed/remediated.
- Boring B1 soil sample was identified to be just above applicable carcinogenic PAHs CUL. As the analytical results were less than 100th mg/kg above applicable CUL, 191 North recommends additional sampling to compare analytical results and identify if the area is/is not above CUL for carcinogenic PAHs.
- The RECs (former waste-oil UST (Boring-B6), former heating oil UST (Boring-B4), current and former UST fueling systems (Borings-B2, B3, B7, & B8) identified in the Phase I Environmental Site Assessment completed for the Site were further investigated by this PHASE II and/or completed by Able Cleanup Technologies with 191 North review of provided analytical results. Based on the findings and analytical results identified by this PHASE II, analytes were not detected above Washington MTCA Method A Cleanup levels and additional investigation does not appear warranted at this time for the former waste-oil UST, in-ground hoists (2), former heating oil UST, and current fueling system with the exception of further investigation around Boring B1.

We have performed this LESE for the property at 2706 E. 29th Avenue in Spokane, Washington. Our services consist of professional opinions made referencing generally accepted consulting and sampling principles and practices, as they exist at the time of this report and in Washington. This acknowledgment is in lieu of all expressed or implied warranties.

We appreciate the opportunity to present this letter report and assist with this project. If you have any questions, or if you need additional information, please contact us at (208) 391-6923.

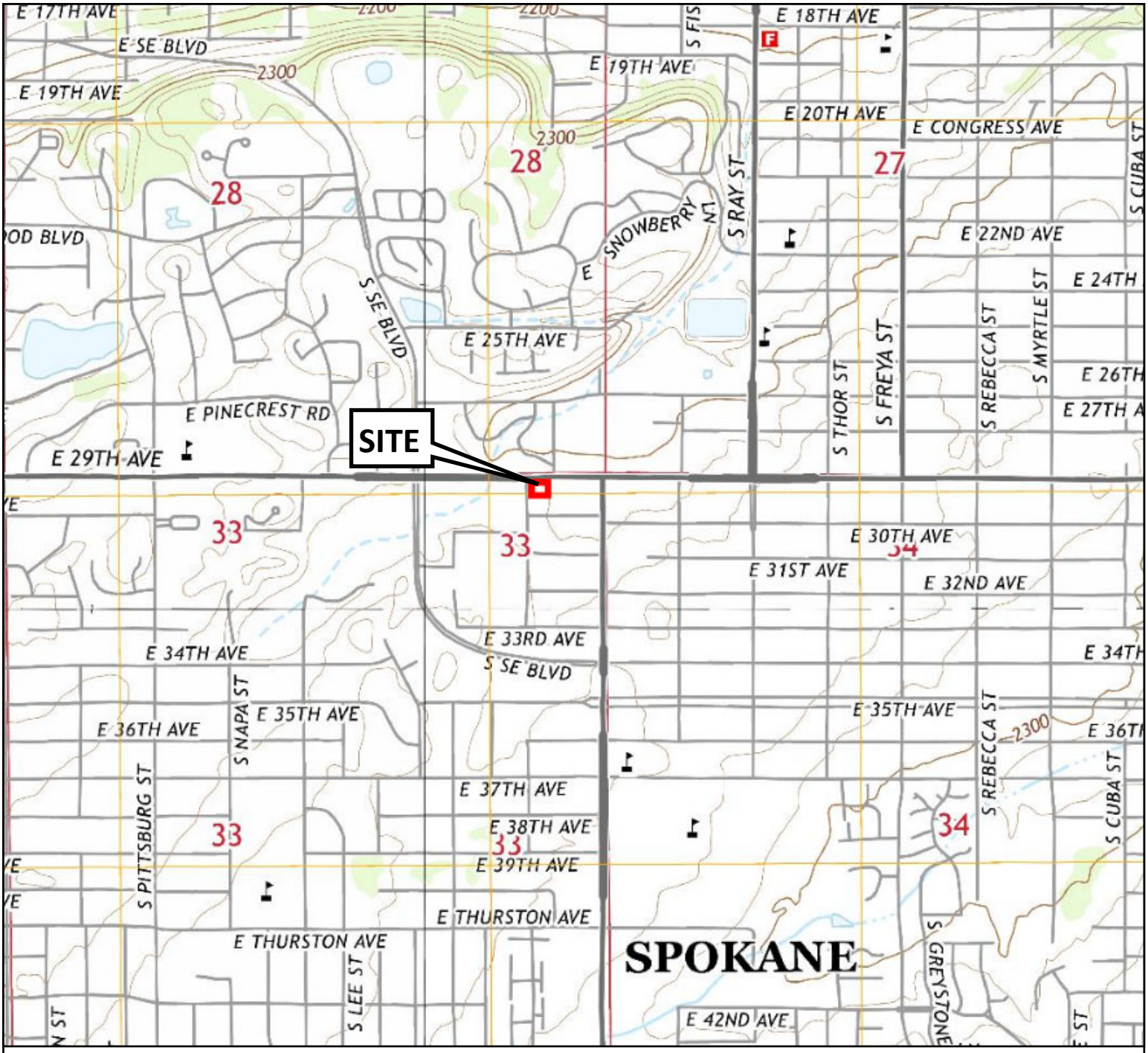
Sincerely,

191 North, LLC

Seth A. Brundige, P.G.
Operations Director

APPENDIX A

Figure 1 – Site Vicinity
Figure 2 – Boring Location Diagram



USGS 7.5 MINUTE SERIES TOPOGRAPHIC MAP
SPOKANE NE QUADRANGLE, WASHINGTON 2014
SPOKANE SE QUADRANGLE, WASHINGTON 2014
SPOKANE SW QUADRANGLE, WASHINGTON 2014
SPOKANE NW QUADRANGLE, WASHINGTON 2014

DIAGRAM IS FOR GENERAL LOCATION ONLY

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FIGURE A-1 — SITE VICINITY

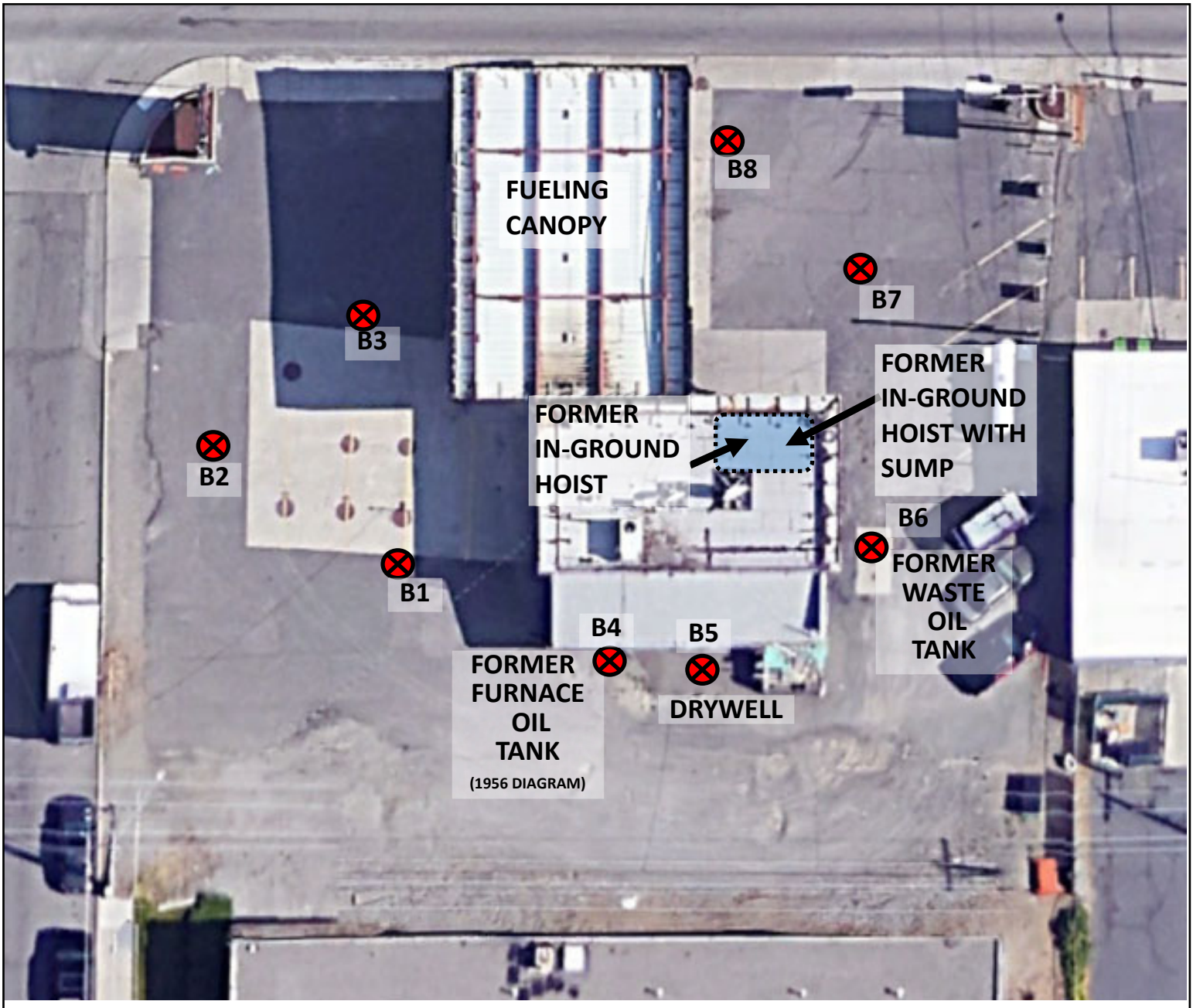
2706 EAST 29TH AVENUE

SPOKANE, WASHINGTON

PROJECT NUMBER: 2022-22127

THE GAS COMPANY

191 NORTH



USGS

DIAGRAM IS FOR GENERAL LOCATION ONLY

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APPROXIMATE BORING LOCATIONS ⊗

2706 EAST 29TH AVENUE

SPOKANE, WASHINGTON

THE GAS COMPANY

191 NORTH

APPENDIX B

Geophysical Survey Report
Laboratory Results
Chain of Custody
Analytical from Able Cleanup Technologies

Legend

- 2.0 — Depth to top in feet
- E — Unidentified utility
- E — Electrical line
- GAS — Gas line
- W — Water line
- SAN — Sanitary sewer
- SD — Storm drain
- FUEL — Fuel line
- COM — Communication line
- VENT — Vent
- UST
- Drywell
- Non-metallic anomaly
- B — Boring

N

1 Inch = 16 Feet

0 16

GEOPHYSICAL SURVEY LLC

FIGURE 1
Utility Map
2706 E 29th Avenue
Spokane, WA

ANALYTICAL REPORT

December 05, 2022

191 North, LLC- Coeur d'Alene, ID

Sample Delivery Group:	L1558161
Samples Received:	11/15/2022
Project Number:	22127
Description:	2706 E 29th

Report To: Seth Brundige
118 N. 7th St.
Suite C-4
Coeur d'Alene, ID 83814

Entire Report Reviewed By:

Kelly Mercer
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

B1 @ 4'-8' L1558161-01 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960782	1	11/17/22 14:25	11/17/22 14:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1962731	25	11/10/22 00:00	11/20/22 13:54	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1962273	25	11/10/22 00:00	11/19/22 03:01	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1	11/10/22 00:00	11/22/22 15:40	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962621	2	11/20/22 19:41	11/21/22 07:57	NH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/19/22 01:05	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	5	11/21/22 04:08	11/21/22 19:36	DSH	Mt. Juliet, TN

B2 @ 12'-13.1' L1558161-02 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960782	1	11/17/22 14:25	11/17/22 14:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1962731	25	11/10/22 00:00	11/20/22 14:17	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1962273	25	11/10/22 00:00	11/19/22 03:23	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1	11/10/22 00:00	11/22/22 15:59	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962621	2	11/20/22 19:41	11/21/22 07:44	NH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/19/22 01:14	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	1	11/21/22 04:08	11/21/22 19:16	DSH	Mt. Juliet, TN

B3 @ 8'-9.6' L1558161-03 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960782	1	11/17/22 14:25	11/17/22 14:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B	WG1962731	25	11/10/22 00:00	11/20/22 14:40	JAH	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method NWTPHGX	WG1962273	25	11/10/22 00:00	11/19/22 03:46	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1	11/10/22 00:00	11/22/22 17:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962621	1	11/20/22 19:41	11/21/22 06:13	NH	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/18/22 22:36	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	1	11/21/22 04:08	11/21/22 15:38	DSH	Mt. Juliet, TN

B4 @ 12'-13' L1558161-04 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960782	1	11/17/22 14:25	11/17/22 14:41	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX	WG1962503	26.5	11/10/22 00:00	11/19/22 23:09	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1.06	11/10/22 00:00	11/22/22 17:53	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962622	20	11/20/22 19:38	11/21/22 13:04	KAP	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/19/22 01:23	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	1	11/21/22 04:08	11/21/22 18:16	DSH	Mt. Juliet, TN

B5 @ 4'-8' L1558161-05 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960783	1	11/17/22 15:47	11/17/22 16:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX	WG1962503	25	11/10/22 00:00	11/19/22 23:32	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1	11/10/22 00:00	11/22/22 18:12	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962622	50	11/20/22 19:38	11/21/22 13:29	KAP	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/19/22 01:41	AMM	Mt. Juliet, TN

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

B5 @ 4'-8' L1558161-05 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	1	11/21/22 04:08	11/21/22 18:36	DSH	Mt. Juliet, TN

B6 @ 6'-8' L1558161-06 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960783	1	11/17/22 15:47	11/17/22 16:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX	WG1962503	25.3	11/10/22 00:00	11/19/22 23:55	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1.01	11/10/22 00:00	11/22/22 18:31	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962622	1	11/20/22 19:38	11/21/22 08:53	KAP	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/18/22 22:45	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	1	11/21/22 04:08	11/21/22 15:58	DSH	Mt. Juliet, TN

B7 @ 12'-16' L1558161-07 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960783	1	11/17/22 15:47	11/17/22 16:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX	WG1962503	25	11/10/22 00:00	11/20/22 00:17	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1	11/10/22 00:00	11/22/22 18:50	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962622	1	11/20/22 19:38	11/21/22 09:05	KAP	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/18/22 22:53	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	1	11/21/22 04:08	11/21/22 16:17	DSH	Mt. Juliet, TN

B8 @ 8'-12' L1558161-08 Solid

Collected by: Seth Brundige | Collected date/time: 11/10/22 00:00 | Received date/time: 11/15/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1960783	1	11/17/22 15:47	11/17/22 16:05	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX	WG1962503	25	11/10/22 00:00	11/20/22 00:40	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260D	WG1963838	1	11/10/22 00:00	11/22/22 19:09	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT	WG1962622	1	11/20/22 19:38	11/21/22 09:43	KAP	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1961743	1	11/18/22 12:00	11/18/22 23:02	AMM	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270D-SIM	WG1962618	1	11/21/22 04:08	11/21/22 16:37	DSH	Mt. Juliet, TN

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, 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.

Kelly Mercer
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.2		1	11/17/2022 14:41	WG1960782

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.944	2.78	25	11/19/2022 03:01	WG1962273
Benzene	0.00587	B J	0.00334	0.0139	25	11/20/2022 13:54	WG1962731
Toluene	0.0176	B J	0.00417	0.139	25	11/20/2022 13:54	WG1962731
Ethylbenzene	0.00509	B J	0.00306	0.0139	25	11/20/2022 13:54	WG1962731
Total Xylene	U		0.0128	0.0417	25	11/20/2022 13:54	WG1962731
(S) a,a,a-Trifluorotoluene(PID)	*0.000*	J2		*72.0-128*		*11/19/2022 03:01*	WG1962273
(S) a,a,a-Trifluorotoluene(PID)	*98.8*			*72.0-128*		*11/20/2022 13:54*	WG1962731
(S) a,a,a-Trifluorotoluene(FID)	*97.7*			*77.0-120*		*11/19/2022 03:01*	WG1962273
(S) a,a,a-Trifluorotoluene(FID)	*99.9*			*77.0-120*		*11/20/2022 13:54*	WG1962731

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00152		0.000520	0.00111	1	11/22/2022 15:40	WG1963838
Toluene	0.00972		0.00145	0.00557	1	11/22/2022 15:40	WG1963838
Ethylbenzene	0.00121	J	0.000820	0.00278	1	11/22/2022 15:40	WG1963838
Total Xylenes	0.00982		0.000980	0.00724	1	11/22/2022 15:40	WG1963838
Methyl tert-butyl ether	U		0.000390	0.00111	1	11/22/2022 15:40	WG1963838
1,2-Dichloroethane	U		0.000722	0.00278	1	11/22/2022 15:40	WG1963838
Naphthalene	U		0.00543	0.0139	1	11/22/2022 15:40	WG1963838
(S) Toluene-d8	*108*			*75.0-131*		*11/22/2022 15:40*	WG1963838
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*11/22/2022 15:40*	WG1963838
(S) 1,2-Dichloroethane-d4	*82.8*			*70.0-130*		*11/22/2022 15:40*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	19.4		2.80	8.41	2	11/21/2022 07:57	WG1962621
Residual Range Organics (RRO)	119		7.00	21.0	2	11/21/2022 07:57	WG1962621
(S) o-Terphenyl	*83.3*			*18.0-148*		*11/21/2022 07:57*	WG1962621

Sample Narrative:

L1558161-01 WG1962621: Sample does not resemble laboratory standards.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0124	0.0357	1	11/19/2022 01:05	WG1961743
PCB 1221	U		0.0124	0.0357	1	11/19/2022 01:05	WG1961743
PCB 1232	U		0.0124	0.0357	1	11/19/2022 01:05	WG1961743
PCB 1242	U		0.0124	0.0357	1	11/19/2022 01:05	WG1961743
PCB 1248	U		0.00776	0.0179	1	11/19/2022 01:05	WG1961743
PCB 1254	U		0.00776	0.0179	1	11/19/2022 01:05	WG1961743
PCB 1260	U		0.00776	0.0179	1	11/19/2022 01:05	WG1961743
(S) Decachlorobiphenyl	*65.4*			*10.0-135*		*11/19/2022 01:05*	WG1961743
(S) Tetrachloro-m-xylene	*86.4*			*10.0-139*		*11/19/2022 01:05*	WG1961743

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0182	J	0.0121	0.0315	5	11/21/2022 19:36	WG1962618
Acenaphthene	U		0.0110	0.0315	5	11/21/2022 19:36	WG1962618
Acenaphthylene	U		0.0113	0.0315	5	11/21/2022 19:36	WG1962618
Benzo(a)anthracene	0.133		0.00909	0.0315	5	11/21/2022 19:36	WG1962618
Benzo(a)pyrene	0.0803		0.00941	0.0315	5	11/21/2022 19:36	WG1962618
Benzo(b)fluoranthene	0.0854		0.00804	0.0315	5	11/21/2022 19:36	WG1962618
Benzo(g,h,i)perylene	0.0566		0.00930	0.0315	5	11/21/2022 19:36	WG1962618
Benzo(k)fluoranthene	0.0249	J	0.0112	0.0315	5	11/21/2022 19:36	WG1962618
Chrysene	0.168		0.0122	0.0315	5	11/21/2022 19:36	WG1962618
Dibenz(a,h)anthracene	U		0.00904	0.0315	5	11/21/2022 19:36	WG1962618
Fluoranthene	0.165		0.0119	0.0315	5	11/21/2022 19:36	WG1962618
Fluorene	U		0.0108	0.0315	5	11/21/2022 19:36	WG1962618
Indeno(1,2,3-cd)pyrene	0.0431		0.00951	0.0315	5	11/21/2022 19:36	WG1962618
Naphthalene	U		0.0214	0.105	5	11/21/2022 19:36	WG1962618
Phenanthrene	0.168		0.0121	0.0315	5	11/21/2022 19:36	WG1962618
Pyrene	0.165		0.0105	0.0315	5	11/21/2022 19:36	WG1962618
1-Methylnaphthalene	U		0.0236	0.105	5	11/21/2022 19:36	WG1962618
2-Methylnaphthalene	U		0.0225	0.105	5	11/21/2022 19:36	WG1962618
2-Chloronaphthalene	U		0.0245	0.105	5	11/21/2022 19:36	WG1962618
(S) p-Terphenyl-d14	*95.4*			*23.0-120*		*11/21/2022 19:36*	WG1962618
(S) Nitrobenzene-d5	*77.9*			*14.0-149*		*11/21/2022 19:36*	WG1962618
(S) 2-Fluorobiphenyl	*87.6*			*34.0-125*		*11/21/2022 19:36*	WG1962618

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.9		1	11/17/2022 14:41	WG1960782

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.12	B J	0.944	2.78	25	11/19/2022 03:23	WG1962273
Benzene	0.00664	B J	0.00334	0.0139	25	11/20/2022 14:17	WG1962731
Toluene	0.0243	B J	0.00417	0.139	25	11/20/2022 14:17	WG1962731
Ethylbenzene	0.00439	B J	0.00306	0.0139	25	11/20/2022 14:17	WG1962731
Total Xylene	U		0.0128	0.0417	25	11/20/2022 14:17	WG1962731
(S) a,a,a-Trifluorotoluene(PID)	*0.000*	J2		*72.0-128*		*11/19/2022 03:23*	WG1962273
(S) a,a,a-Trifluorotoluene(PID)	*99.3*			*72.0-128*		*11/20/2022 14:17*	WG1962731
(S) a,a,a-Trifluorotoluene(FID)	*98.6*			*77.0-120*		*11/19/2022 03:23*	WG1962273
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*11/20/2022 14:17*	WG1962731

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00148		0.000520	0.00111	1	11/22/2022 15:59	WG1963838
Toluene	0.0114		0.00145	0.00557	1	11/22/2022 15:59	WG1963838
Ethylbenzene	0.00100	J	0.000821	0.00278	1	11/22/2022 15:59	WG1963838
Total Xylenes	0.00819		0.000980	0.00724	1	11/22/2022 15:59	WG1963838
Methyl tert-butyl ether	U		0.000390	0.00111	1	11/22/2022 15:59	WG1963838
1,2-Dichloroethane	U		0.000723	0.00278	1	11/22/2022 15:59	WG1963838
Naphthalene	U		0.00543	0.0139	1	11/22/2022 15:59	WG1963838
(S) Toluene-d8	*109*			*75.0-131*		*11/22/2022 15:59*	WG1963838
(S) 4-Bromofluorobenzene	*105*			*67.0-138*		*11/22/2022 15:59*	WG1963838
(S) 1,2-Dichloroethane-d4	*74.1*			*70.0-130*		*11/22/2022 15:59*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	8.32	J	2.80	8.43	2	11/21/2022 07:44	WG1962621
Residual Range Organics (RRO)	53.1		7.02	21.1	2	11/21/2022 07:44	WG1962621
(S) o-Terphenyl	*82.0*			*18.0-148*		*11/21/2022 07:44*	WG1962621

Sample Narrative:

L1558161-02 WG1962621: Sample does not resemble laboratory standards.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0124	0.0358	1	11/19/2022 01:14	WG1961743
PCB 1221	U		0.0124	0.0358	1	11/19/2022 01:14	WG1961743
PCB 1232	U		0.0124	0.0358	1	11/19/2022 01:14	WG1961743
PCB 1242	U		0.0124	0.0358	1	11/19/2022 01:14	WG1961743
PCB 1248	U		0.00778	0.0179	1	11/19/2022 01:14	WG1961743
PCB 1254	U		0.00778	0.0179	1	11/19/2022 01:14	WG1961743
PCB 1260	U		0.00778	0.0179	1	11/19/2022 01:14	WG1961743
(S) Decachlorobiphenyl	*71.3*			*10.0-135*		*11/19/2022 01:14*	WG1961743
(S) Tetrachloro-m-xylene	*98.0*			*10.0-139*		*11/19/2022 01:14*	WG1961743

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00242	0.00632	1	11/21/2022 19:16	WG1962618
Acenaphthene	U		0.00220	0.00632	1	11/21/2022 19:16	WG1962618
Acenaphthylene	U		0.00228	0.00632	1	11/21/2022 19:16	WG1962618
Benzo(a)anthracene	0.0379		0.00182	0.00632	1	11/21/2022 19:16	WG1962618
Benzo(a)pyrene	0.0221		0.00189	0.00632	1	11/21/2022 19:16	WG1962618
Benzo(b)fluoranthene	0.0168		0.00161	0.00632	1	11/21/2022 19:16	WG1962618
Benzo(g,h,i)perylene	0.0132		0.00187	0.00632	1	11/21/2022 19:16	WG1962618
Benzo(k)fluoranthene	0.00473	J	0.00227	0.00632	1	11/21/2022 19:16	WG1962618
Chrysene	0.0449		0.00244	0.00632	1	11/21/2022 19:16	WG1962618
Dibenz(a,h)anthracene	U		0.00181	0.00632	1	11/21/2022 19:16	WG1962618
Fluoranthene	0.0225		0.00239	0.00632	1	11/21/2022 19:16	WG1962618
Fluorene	U		0.00216	0.00632	1	11/21/2022 19:16	WG1962618
Indeno(1,2,3-cd)pyrene	U		0.00191	0.00632	1	11/21/2022 19:16	WG1962618
Naphthalene	U		0.00430	0.0211	1	11/21/2022 19:16	WG1962618
Phenanthrene	0.0261		0.00243	0.00632	1	11/21/2022 19:16	WG1962618
Pyrene	0.0394		0.00211	0.00632	1	11/21/2022 19:16	WG1962618
1-Methylnaphthalene	U		0.00473	0.0211	1	11/21/2022 19:16	WG1962618
2-Methylnaphthalene	U		0.00450	0.0211	1	11/21/2022 19:16	WG1962618
2-Chloronaphthalene	U		0.00491	0.0211	1	11/21/2022 19:16	WG1962618
(S) p-Terphenyl-d14	*114*			*23.0-120*		*11/21/2022 19:16*	WG1962618
(S) Nitrobenzene-d5	*99.5*			*14.0-149*		*11/21/2022 19:16*	WG1962618
(S) 2-Fluorobiphenyl	*109*			*34.0-125*		*11/21/2022 19:16*	WG1962618

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.7		1	11/17/2022 14:41	WG1960782

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.888	2.62	25	11/19/2022 03:46	WG1962273
Benzene	0.00622	B J	0.00314	0.0131	25	11/20/2022 14:40	WG1962731
Toluene	0.0192	B J	0.00393	0.131	25	11/20/2022 14:40	WG1962731
Ethylbenzene	0.00419	B J	0.00288	0.0131	25	11/20/2022 14:40	WG1962731
Total Xylene	U		0.0120	0.0393	25	11/20/2022 14:40	WG1962731
(S) a,a,a-Trifluorotoluene(PID)	*0.000*	J2		*72.0-128*		*11/19/2022 03:46*	WG1962273
(S) a,a,a-Trifluorotoluene(PID)	*99.3*			*72.0-128*		*11/20/2022 14:40*	WG1962731
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*		*11/19/2022 03:46*	WG1962273
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*11/20/2022 14:40*	WG1962731

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00126		0.000489	0.00105	1	11/22/2022 17:34	WG1963838
Toluene	0.00913		0.00136	0.00524	1	11/22/2022 17:34	WG1963838
Ethylbenzene	0.00113	J	0.000772	0.00262	1	11/22/2022 17:34	WG1963838
Total Xylenes	0.0119		0.000922	0.00681	1	11/22/2022 17:34	WG1963838
Methyl tert-butyl ether	U		0.000367	0.00105	1	11/22/2022 17:34	WG1963838
1,2-Dichloroethane	U		0.000680	0.00262	1	11/22/2022 17:34	WG1963838
Naphthalene	U		0.00511	0.0131	1	11/22/2022 17:34	WG1963838
(S) Toluene-d8	*107*			*75.0-131*		*11/22/2022 17:34*	WG1963838
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*11/22/2022 17:34*	WG1963838
(S) 1,2-Dichloroethane-d4	*65.7*	J2		*70.0-130*		*11/22/2022 17:34*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.36	4.09	1	11/21/2022 06:13	WG1962621
Residual Range Organics (RRO)	U		3.41	10.2	1	11/21/2022 06:13	WG1962621
(S) o-Terphenyl	*75.8*			*18.0-148*		*11/21/2022 06:13*	WG1962621

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0121	0.0348	1	11/18/2022 22:36	WG1961743
PCB 1221	U		0.0121	0.0348	1	11/18/2022 22:36	WG1961743
PCB 1232	U		0.0121	0.0348	1	11/18/2022 22:36	WG1961743
PCB 1242	U		0.0121	0.0348	1	11/18/2022 22:36	WG1961743
PCB 1248	U		0.00755	0.0174	1	11/18/2022 22:36	WG1961743
PCB 1254	U		0.00755	0.0174	1	11/18/2022 22:36	WG1961743
PCB 1260	U		0.00755	0.0174	1	11/18/2022 22:36	WG1961743
(S) Decachlorobiphenyl	*80.6*			*10.0-135*		*11/18/2022 22:36*	WG1961743
(S) Tetrachloro-m-xylene	*86.0*			*10.0-139*		*11/18/2022 22:36*	WG1961743

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00235	0.00614	1	11/21/2022 15:38	WG1962618
Acenaphthene	U		0.00214	0.00614	1	11/21/2022 15:38	WG1962618
Acenaphthylene	U		0.00221	0.00614	1	11/21/2022 15:38	WG1962618
Benzo(a)anthracene	U		0.00177	0.00614	1	11/21/2022 15:38	WG1962618
Benzo(a)pyrene	U		0.00183	0.00614	1	11/21/2022 15:38	WG1962618
Benzo(b)fluoranthene	U		0.00157	0.00614	1	11/21/2022 15:38	WG1962618
Benzo(g,h,i)perylene	U		0.00181	0.00614	1	11/21/2022 15:38	WG1962618
Benzo(k)fluoranthene	U		0.00220	0.00614	1	11/21/2022 15:38	WG1962618
Chrysene	U		0.00237	0.00614	1	11/21/2022 15:38	WG1962618
Dibenz(a,h)anthracene	U		0.00176	0.00614	1	11/21/2022 15:38	WG1962618
Fluoranthene	U		0.00232	0.00614	1	11/21/2022 15:38	WG1962618
Fluorene	U		0.00210	0.00614	1	11/21/2022 15:38	WG1962618
Indeno(1,2,3-cd)pyrene	U		0.00185	0.00614	1	11/21/2022 15:38	WG1962618
Naphthalene	U		0.00418	0.0205	1	11/21/2022 15:38	WG1962618
Phenanthrene	U		0.00236	0.00614	1	11/21/2022 15:38	WG1962618
Pyrene	U		0.00205	0.00614	1	11/21/2022 15:38	WG1962618
1-Methylnaphthalene	U		0.00460	0.0205	1	11/21/2022 15:38	WG1962618
2-Methylnaphthalene	U		0.00437	0.0205	1	11/21/2022 15:38	WG1962618
2-Chloronaphthalene	U		0.00477	0.0205	1	11/21/2022 15:38	WG1962618
(S) p-Terphenyl-d14	*112*			*23.0-120*		*11/21/2022 15:38*	WG1962618
(S) Nitrobenzene-d5	*95.1*			*14.0-149*		*11/21/2022 15:38*	WG1962618
(S) 2-Fluorobiphenyl	*108*			*34.0-125*		*11/21/2022 15:38*	WG1962618

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

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.8		1	11/17/2022 14:41	WG1960782

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	1.99	J	0.995	2.93	26.5	11/19/2022 23:09	WG1962503
Benzene	0.00913	B J	0.00352	0.0147	26.5	11/19/2022 23:09	WG1962503
Toluene	0.0269	B J	0.00440	0.147	26.5	11/19/2022 23:09	WG1962503
Ethylbenzene	0.00549	B J	0.00323	0.0147	26.5	11/19/2022 23:09	WG1962503
Total Xylene	U		0.0135	0.0441	26.5	11/19/2022 23:09	WG1962503
(S) a,a,a-Trifluorotoluene(PID)	*98.0*			*72.0-128*		*11/19/2022 23:09*	WG1962503
(S) a,a,a-Trifluorotoluene(FID)	*98.8*			*77.0-120*		*11/19/2022 23:09*	WG1962503

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00144		0.000548	0.00117	1.06	11/22/2022 17:53	WG1963838
Toluene	0.0130		0.00153	0.00587	1.06	11/22/2022 17:53	WG1963838
Ethylbenzene	0.00147	J	0.000865	0.00293	1.06	11/22/2022 17:53	WG1963838
Total Xylenes	0.0107		0.00103	0.00763	1.06	11/22/2022 17:53	WG1963838
Methyl tert-butyl ether	0.000441	J	0.000411	0.00117	1.06	11/22/2022 17:53	WG1963838
1,2-Dichloroethane	U		0.000762	0.00293	1.06	11/22/2022 17:53	WG1963838
Naphthalene	U		0.00573	0.0147	1.06	11/22/2022 17:53	WG1963838
(S) Toluene-d8	*108*			*75.0-131*		*11/22/2022 17:53*	WG1963838
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*11/22/2022 17:53*	WG1963838
(S) 1,2-Dichloroethane-d4	*82.2*			*70.0-130*		*11/22/2022 17:53*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	96.6		28.1	84.4	20	11/21/2022 13:04	WG1962622
Residual Range Organics (RRO)	339		70.3	211	20	11/21/2022 13:04	WG1962622
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*11/21/2022 13:04*	WG1962622

Sample Narrative:

L1558161-04 WG1962622: Sample resembles laboratory standard for Hydraulic Oil.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0125	0.0359	1	11/19/2022 01:23	WG1961743
PCB 1221	U		0.0125	0.0359	1	11/19/2022 01:23	WG1961743
PCB 1232	U		0.0125	0.0359	1	11/19/2022 01:23	WG1961743
PCB 1242	U		0.0125	0.0359	1	11/19/2022 01:23	WG1961743
PCB 1248	U		0.00779	0.0179	1	11/19/2022 01:23	WG1961743
PCB 1254	U		0.00779	0.0179	1	11/19/2022 01:23	WG1961743
PCB 1260	U		0.00779	0.0179	1	11/19/2022 01:23	WG1961743
(S) Decachlorobiphenyl	*68.4*			*10.0-135*		*11/19/2022 01:23*	WG1961743
(S) Tetrachloro-m-xylene	*95.7*			*10.0-139*		*11/19/2022 01:23*	WG1961743

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00243	0.00633	1	11/21/2022 18:16	WG1962618
Acenaphthene	U		0.00221	0.00633	1	11/21/2022 18:16	WG1962618
Acenaphthylene	U		0.00228	0.00633	1	11/21/2022 18:16	WG1962618
Benzo(a)anthracene	U		0.00183	0.00633	1	11/21/2022 18:16	WG1962618
Benzo(a)pyrene	U		0.00189	0.00633	1	11/21/2022 18:16	WG1962618
Benzo(b)fluoranthene	U		0.00161	0.00633	1	11/21/2022 18:16	WG1962618
Benzo(g,h,i)perylene	0.0101		0.00187	0.00633	1	11/21/2022 18:16	WG1962618
Benzo(k)fluoranthene	U		0.00227	0.00633	1	11/21/2022 18:16	WG1962618
Chrysene	U		0.00245	0.00633	1	11/21/2022 18:16	WG1962618
Dibenz(a,h)anthracene	U		0.00182	0.00633	1	11/21/2022 18:16	WG1962618
Fluoranthene	0.00289	J	0.00240	0.00633	1	11/21/2022 18:16	WG1962618
Fluorene	U		0.00216	0.00633	1	11/21/2022 18:16	WG1962618
Indeno(1,2,3-cd)pyrene	U		0.00191	0.00633	1	11/21/2022 18:16	WG1962618
Naphthalene	0.0212		0.00431	0.0211	1	11/21/2022 18:16	WG1962618
Phenanthrene	0.00548	J	0.00244	0.00633	1	11/21/2022 18:16	WG1962618
Pyrene	0.00280	J	0.00211	0.00633	1	11/21/2022 18:16	WG1962618
1-Methylnaphthalene	U		0.00474	0.0211	1	11/21/2022 18:16	WG1962618
2-Methylnaphthalene	0.00704	J	0.00451	0.0211	1	11/21/2022 18:16	WG1962618
2-Chloronaphthalene	U		0.00492	0.0211	1	11/21/2022 18:16	WG1962618
(S) p-Terphenyl-d14	*112*			*23.0-120*		*11/21/2022 18:16*	WG1962618
(S) Nitrobenzene-d5	*92.3*			*14.0-149*		*11/21/2022 18:16*	WG1962618
(S) 2-Fluorobiphenyl	*106*			*34.0-125*		*11/21/2022 18:16*	WG1962618

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	90.4		1	11/17/2022 16:05	WG1960783

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	2.10	J	1.04	3.07	25	11/19/2022 23:32	WG1962503
Benzene	0.00750	B J	0.00368	0.0153	25	11/19/2022 23:32	WG1962503
Toluene	0.0226	B J	0.00460	0.153	25	11/19/2022 23:32	WG1962503
Ethylbenzene	0.00478	B J	0.00338	0.0153	25	11/19/2022 23:32	WG1962503
Total Xylene	U		0.0141	0.0460	25	11/19/2022 23:32	WG1962503
(S) a,a,a-Trifluorotoluene(PID)	*98.6*			*72.0-128*		*11/19/2022 23:32*	WG1962503
(S) a,a,a-Trifluorotoluene(FID)	*99.1*			*77.0-120*		*11/19/2022 23:32*	WG1962503

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.00120	J	0.000573	0.00123	1	11/22/2022 18:12	WG1963838
Toluene	0.0103		0.00160	0.00614	1	11/22/2022 18:12	WG1963838
Ethylbenzene	0.00128	J	0.000905	0.00307	1	11/22/2022 18:12	WG1963838
Total Xylenes	0.00930		0.00108	0.00798	1	11/22/2022 18:12	WG1963838
Methyl tert-butyl ether	0.000454	J	0.000430	0.00123	1	11/22/2022 18:12	WG1963838
1,2-Dichloroethane	U		0.000797	0.00307	1	11/22/2022 18:12	WG1963838
Naphthalene	U		0.00599	0.0153	1	11/22/2022 18:12	WG1963838
(S) Toluene-d8	*105*			*75.0-131*		*11/22/2022 18:12*	WG1963838
(S) 4-Bromofluorobenzene	*112*			*67.0-138*		*11/22/2022 18:12*	WG1963838
(S) 1,2-Dichloroethane-d4	*85.6*			*70.0-130*		*11/22/2022 18:12*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2570		73.5	221	50	11/21/2022 13:29	WG1962622
Residual Range Organics (RRO)	5150		184	553	50	11/21/2022 13:29	WG1962622
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*11/21/2022 13:29*	WG1962622

Sample Narrative:

L1558161-05 WG1962622: Sample resembles laboratory standard for Hydraulic Oil.

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0130	0.0376	1	11/19/2022 01:41	WG1961743
PCB 1221	U		0.0130	0.0376	1	11/19/2022 01:41	WG1961743
PCB 1232	U		0.0130	0.0376	1	11/19/2022 01:41	WG1961743
PCB 1242	U		0.0130	0.0376	1	11/19/2022 01:41	WG1961743
PCB 1248	U		0.00816	0.0188	1	11/19/2022 01:41	WG1961743
PCB 1254	U		0.00816	0.0188	1	11/19/2022 01:41	WG1961743
PCB 1260	U		0.00816	0.0188	1	11/19/2022 01:41	WG1961743
(S) Decachlorobiphenyl	*80.6*			*10.0-135*		*11/19/2022 01:41*	WG1961743
(S) Tetrachloro-m-xylene	*79.6*			*10.0-139*		*11/19/2022 01:41*	WG1961743

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00254	0.00663	1	11/21/2022 18:36	WG1962618
Acenaphthene	U		0.00231	0.00663	1	11/21/2022 18:36	WG1962618
Acenaphthylene	U		0.00239	0.00663	1	11/21/2022 18:36	WG1962618
Benzo(a)anthracene	U		0.00191	0.00663	1	11/21/2022 18:36	WG1962618
Benzo(a)pyrene	U		0.00198	0.00663	1	11/21/2022 18:36	WG1962618
Benzo(b)fluoranthene	0.0135		0.00169	0.00663	1	11/21/2022 18:36	WG1962618
Benzo(g,h,i)perylene	0.0682		0.00196	0.00663	1	11/21/2022 18:36	WG1962618
Benzo(k)fluoranthene	0.00471	J	0.00238	0.00663	1	11/21/2022 18:36	WG1962618
Chrysene	U		0.00257	0.00663	1	11/21/2022 18:36	WG1962618
Dibenz(a,h)anthracene	U		0.00190	0.00663	1	11/21/2022 18:36	WG1962618
Fluoranthene	0.00693		0.00251	0.00663	1	11/21/2022 18:36	WG1962618
Fluorene	U		0.00227	0.00663	1	11/21/2022 18:36	WG1962618
Indeno(1,2,3-cd)pyrene	0.0254		0.00200	0.00663	1	11/21/2022 18:36	WG1962618
Naphthalene	0.0149	J	0.00451	0.0221	1	11/21/2022 18:36	WG1962618
Phenanthrene	U		0.00255	0.00663	1	11/21/2022 18:36	WG1962618
Pyrene	0.00943		0.00221	0.00663	1	11/21/2022 18:36	WG1962618
1-Methylnaphthalene	U		0.00496	0.0221	1	11/21/2022 18:36	WG1962618
2-Methylnaphthalene	0.0126	J	0.00472	0.0221	1	11/21/2022 18:36	WG1962618
2-Chloronaphthalene	U		0.00515	0.0221	1	11/21/2022 18:36	WG1962618
(S) p-Terphenyl-d14	*109*			*23.0-120*		*11/21/2022 18:36*	WG1962618
(S) Nitrobenzene-d5	*104*			*14.0-149*		*11/21/2022 18:36*	WG1962618
(S) 2-Fluorobiphenyl	*94.9*			*34.0-125*		*11/21/2022 18:36*	WG1962618

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.5		1	11/17/2022 16:05	WG1960783

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.921	2.71	25.3	11/19/2022 23:55	WG1962503
Benzene	0.00557	B J	0.00326	0.0136	25.3	11/19/2022 23:55	WG1962503
Toluene	0.0148	B J	0.00408	0.136	25.3	11/19/2022 23:55	WG1962503
Ethylbenzene	0.00494	B J	0.00298	0.0136	25.3	11/19/2022 23:55	WG1962503
Total Xylene	U		0.0124	0.0408	25.3	11/19/2022 23:55	WG1962503
(S) a,a,a-Trifluorotoluene(PID)	*99.1*			*72.0-128*		*11/19/2022 23:55*	WG1962503
(S) a,a,a-Trifluorotoluene(FID)	*100*			*77.0-120*		*11/19/2022 23:55*	WG1962503

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000732	J	0.000506	0.00108	1.01	11/22/2022 18:31	WG1963838
Toluene	0.00615		0.00141	0.00542	1.01	11/22/2022 18:31	WG1963838
Ethylbenzene	0.000894	J	0.000798	0.00271	1.01	11/22/2022 18:31	WG1963838
Total Xylenes	0.00815		0.000954	0.00704	1.01	11/22/2022 18:31	WG1963838
Methyl tert-butyl ether	0.000840	J	0.000379	0.00108	1.01	11/22/2022 18:31	WG1963838
1,2-Dichloroethane	U		0.000703	0.00271	1.01	11/22/2022 18:31	WG1963838
Naphthalene	U		0.00529	0.0135	1.01	11/22/2022 18:31	WG1963838
(S) Toluene-d8	*109*			*75.0-131*		*11/22/2022 18:31*	WG1963838
(S) 4-Bromofluorobenzene	*107*			*67.0-138*		*11/22/2022 18:31*	WG1963838
(S) 1,2-Dichloroethane-d4	*74.3*			*70.0-130*		*11/22/2022 18:31*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	2.79	J	1.38	4.15	1	11/21/2022 08:53	WG1962622
Residual Range Organics (RRO)	3.54	J	3.45	10.4	1	11/21/2022 08:53	WG1962622
(S) o-Terphenyl	*90.1*			*18.0-148*		*11/21/2022 08:53*	WG1962622

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0122	0.0352	1	11/18/2022 22:45	WG1961743
PCB 1221	U		0.0122	0.0352	1	11/18/2022 22:45	WG1961743
PCB 1232	U		0.0122	0.0352	1	11/18/2022 22:45	WG1961743
PCB 1242	U		0.0122	0.0352	1	11/18/2022 22:45	WG1961743
PCB 1248	U		0.00765	0.0176	1	11/18/2022 22:45	WG1961743
PCB 1254	U		0.00765	0.0176	1	11/18/2022 22:45	WG1961743
PCB 1260	U		0.00765	0.0176	1	11/18/2022 22:45	WG1961743
(S) Decachlorobiphenyl	*80.6*			*10.0-135*		*11/18/2022 22:45*	WG1961743
(S) Tetrachloro-m-xylene	*89.3*			*10.0-139*		*11/18/2022 22:45*	WG1961743

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00238	0.00622	1	11/21/2022 15:58	WG1962618
Acenaphthene	U		0.00217	0.00622	1	11/21/2022 15:58	WG1962618
Acenaphthylene	U		0.00224	0.00622	1	11/21/2022 15:58	WG1962618

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00179	0.00622	1	11/21/2022 15:58	WG1962618
Benzo(a)pyrene	U		0.00186	0.00622	1	11/21/2022 15:58	WG1962618
Benzo(b)fluoranthene	U		0.00159	0.00622	1	11/21/2022 15:58	WG1962618
Benzo(g,h,i)perylene	U		0.00183	0.00622	1	11/21/2022 15:58	WG1962618
Benzo(k)fluoranthene	U		0.00223	0.00622	1	11/21/2022 15:58	WG1962618
Chrysene	U		0.00241	0.00622	1	11/21/2022 15:58	WG1962618
Dibenz(a,h)anthracene	U		0.00178	0.00622	1	11/21/2022 15:58	WG1962618
Fluoranthene	U		0.00235	0.00622	1	11/21/2022 15:58	WG1962618
Fluorene	U		0.00213	0.00622	1	11/21/2022 15:58	WG1962618
Indeno(1,2,3-cd)pyrene	U		0.00188	0.00622	1	11/21/2022 15:58	WG1962618
Naphthalene	U		0.00423	0.0207	1	11/21/2022 15:58	WG1962618
Phenanthrene	U		0.00239	0.00622	1	11/21/2022 15:58	WG1962618
Pyrene	U		0.00207	0.00622	1	11/21/2022 15:58	WG1962618
1-Methylnaphthalene	U		0.00465	0.0207	1	11/21/2022 15:58	WG1962618
2-Methylnaphthalene	U		0.00443	0.0207	1	11/21/2022 15:58	WG1962618
2-Chloronaphthalene	U		0.00483	0.0207	1	11/21/2022 15:58	WG1962618
(S) p-Terphenyl-d14	*119*			*23.0-120*		*11/21/2022 15:58*	WG1962618
(S) Nitrobenzene-d5	*93.5*			*14.0-149*		*11/21/2022 15:58*	WG1962618
(S) 2-Fluorobiphenyl	*110*			*34.0-125*		*11/21/2022 15:58*	WG1962618

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.3		1	11/17/2022 16:05	WG1960783

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.917	2.70	25	11/20/2022 00:17	WG1962503
Benzene	0.00513	B J	0.00324	0.0135	25	11/20/2022 00:17	WG1962503
Toluene	0.0136	B J	0.00405	0.135	25	11/20/2022 00:17	WG1962503
Ethylbenzene	0.00418	B J	0.00297	0.0135	25	11/20/2022 00:17	WG1962503
Total Xylene	U		0.0124	0.0405	25	11/20/2022 00:17	WG1962503
(S) a,a,a-Trifluorotoluene(PID)	*98.9*			*72.0-128*		*11/20/2022 00:17*	WG1962503
(S) a,a,a-Trifluorotoluene(FID)	*99.8*			*77.0-120*		*11/20/2022 00:17*	WG1962503

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000812	J	0.000505	0.00108	1	11/22/2022 18:50	WG1963838
Toluene	0.00590		0.00141	0.00541	1	11/22/2022 18:50	WG1963838
Ethylbenzene	U		0.000797	0.00270	1	11/22/2022 18:50	WG1963838
Total Xylenes	0.0105		0.000952	0.00703	1	11/22/2022 18:50	WG1963838
Methyl tert-butyl ether	U		0.000378	0.00108	1	11/22/2022 18:50	WG1963838
1,2-Dichloroethane	U		0.000702	0.00270	1	11/22/2022 18:50	WG1963838
Naphthalene	U		0.00528	0.0135	1	11/22/2022 18:50	WG1963838
(S) Toluene-d8	*106*			*75.0-131*		*11/22/2022 18:50*	WG1963838
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*11/22/2022 18:50*	WG1963838
(S) 1,2-Dichloroethane-d4	*77.3*			*70.0-130*		*11/22/2022 18:50*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.38	4.15	1	11/21/2022 09:05	WG1962622
Residual Range Organics (RRO)	U		3.46	10.4	1	11/21/2022 09:05	WG1962622
(S) o-Terphenyl	*86.4*			*18.0-148*		*11/21/2022 09:05*	WG1962622

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0123	0.0353	1	11/18/2022 22:53	WG1961743
PCB 1221	U		0.0123	0.0353	1	11/18/2022 22:53	WG1961743
PCB 1232	U		0.0123	0.0353	1	11/18/2022 22:53	WG1961743
PCB 1242	U		0.0123	0.0353	1	11/18/2022 22:53	WG1961743
PCB 1248	U		0.00767	0.0177	1	11/18/2022 22:53	WG1961743
PCB 1254	U		0.00767	0.0177	1	11/18/2022 22:53	WG1961743
PCB 1260	U		0.00767	0.0177	1	11/18/2022 22:53	WG1961743
(S) Decachlorobiphenyl	*70.6*			*10.0-135*		*11/18/2022 22:53*	WG1961743
(S) Tetrachloro-m-xylene	*78.8*			*10.0-139*		*11/18/2022 22:53*	WG1961743

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00239	0.00623	1	11/21/2022 16:17	WG1962618
Acenaphthene	U		0.00217	0.00623	1	11/21/2022 16:17	WG1962618
Acenaphthylene	U		0.00224	0.00623	1	11/21/2022 16:17	WG1962618

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00180	0.00623	1	11/21/2022 16:17	WG1962618
Benzo(a)pyrene	U		0.00186	0.00623	1	11/21/2022 16:17	WG1962618
Benzo(b)fluoranthene	U		0.00159	0.00623	1	11/21/2022 16:17	WG1962618
Benzo(g,h,i)perylene	U		0.00184	0.00623	1	11/21/2022 16:17	WG1962618
Benzo(k)fluoranthene	U		0.00223	0.00623	1	11/21/2022 16:17	WG1962618
Chrysene	U		0.00241	0.00623	1	11/21/2022 16:17	WG1962618
Dibenz(a,h)anthracene	U		0.00179	0.00623	1	11/21/2022 16:17	WG1962618
Fluoranthene	U		0.00236	0.00623	1	11/21/2022 16:17	WG1962618
Fluorene	U		0.00213	0.00623	1	11/21/2022 16:17	WG1962618
Indeno(1,2,3-cd)pyrene	U		0.00188	0.00623	1	11/21/2022 16:17	WG1962618
Naphthalene	U		0.00424	0.0208	1	11/21/2022 16:17	WG1962618
Phenanthrene	U		0.00240	0.00623	1	11/21/2022 16:17	WG1962618
Pyrene	U		0.00208	0.00623	1	11/21/2022 16:17	WG1962618
1-Methylnaphthalene	U		0.00466	0.0208	1	11/21/2022 16:17	WG1962618
2-Methylnaphthalene	U		0.00444	0.0208	1	11/21/2022 16:17	WG1962618
2-Chloronaphthalene	U		0.00484	0.0208	1	11/21/2022 16:17	WG1962618
(S) p-Terphenyl-d14	*132*	J1		*23.0-120*		*11/21/2022 16:17*	WG1962618
(S) Nitrobenzene-d5	*99.6*			*14.0-149*		*11/21/2022 16:17*	WG1962618
(S) 2-Fluorobiphenyl	*119*			*34.0-125*		*11/21/2022 16:17*	WG1962618

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.5		1	11/17/2022 16:05	WG1960783

Volatile Organic Compounds (GC) by Method 8021B/NWTPHGX

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Gasoline Range Organics-NWTPH	U		0.893	2.63	25	11/20/2022 00:40	WG1962503
Benzene	0.00494	B J	0.00316	0.0132	25	11/20/2022 00:40	WG1962503
Toluene	0.0123	B J	0.00395	0.132	25	11/20/2022 00:40	WG1962503
Ethylbenzene	0.00407	B J	0.00289	0.0132	25	11/20/2022 00:40	WG1962503
Total Xylene	U		0.0121	0.0395	25	11/20/2022 00:40	WG1962503
(S) a,a,a-Trifluorotoluene(PID)	*98.9*			*72.0-128*		*11/20/2022 00:40*	WG1962503
(S) a,a,a-Trifluorotoluene(FID)	*99.4*			*77.0-120*		*11/20/2022 00:40*	WG1962503

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Benzene	0.000725	J J3	0.000492	0.00105	1	11/22/2022 19:09	WG1963838
Toluene	0.00385	J J3	0.00137	0.00526	1	11/22/2022 19:09	WG1963838
Ethylbenzene	U	J3	0.000776	0.00263	1	11/22/2022 19:09	WG1963838
Total Xylenes	0.00467	J J3	0.000926	0.00684	1	11/22/2022 19:09	WG1963838
Methyl tert-butyl ether	U	J3	0.000368	0.00105	1	11/22/2022 19:09	WG1963838
1,2-Dichloroethane	U	J3	0.000683	0.00263	1	11/22/2022 19:09	WG1963838
Naphthalene	U	J3	0.00514	0.0132	1	11/22/2022 19:09	WG1963838
(S) Toluene-d8	*106*			*75.0-131*		*11/22/2022 19:09*	WG1963838
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*11/22/2022 19:09*	WG1963838
(S) 1,2-Dichloroethane-d4	*77.2*			*70.0-130*		*11/22/2022 19:09*	WG1963838

Semi-Volatile Organic Compounds (GC) by Method NWTPHDX-NO SGT

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Diesel Range Organics (DRO)	U		1.36	4.10	1	11/21/2022 09:43	WG1962622
Residual Range Organics (RRO)	U		3.42	10.3	1	11/21/2022 09:43	WG1962622
(S) o-Terphenyl	*71.0*			*18.0-148*		*11/21/2022 09:43*	WG1962622

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
PCB 1016	U		0.0121	0.0349	1	11/18/2022 23:02	WG1961743
PCB 1221	U		0.0121	0.0349	1	11/18/2022 23:02	WG1961743
PCB 1232	U		0.0121	0.0349	1	11/18/2022 23:02	WG1961743
PCB 1242	U		0.0121	0.0349	1	11/18/2022 23:02	WG1961743
PCB 1248	U		0.00757	0.0174	1	11/18/2022 23:02	WG1961743
PCB 1254	U		0.00757	0.0174	1	11/18/2022 23:02	WG1961743
PCB 1260	U		0.00757	0.0174	1	11/18/2022 23:02	WG1961743
(S) Decachlorobiphenyl	*75.9*			*10.0-135*		*11/18/2022 23:02*	WG1961743
(S) Tetrachloro-m-xylene	*84.4*			*10.0-139*		*11/18/2022 23:02*	WG1961743

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

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00236	0.00615	1	11/21/2022 16:37	WG1962618
Acenaphthene	U		0.00214	0.00615	1	11/21/2022 16:37	WG1962618
Acenaphthylene	U		0.00222	0.00615	1	11/21/2022 16:37	WG1962618

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

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)anthracene	U		0.00177	0.00615	1	11/21/2022 16:37	WG1962618
Benzo(a)pyrene	U		0.00184	0.00615	1	11/21/2022 16:37	WG1962618
Benzo(b)fluoranthene	U		0.00157	0.00615	1	11/21/2022 16:37	WG1962618
Benzo(g,h,i)perylene	U		0.00182	0.00615	1	11/21/2022 16:37	WG1962618
Benzo(k)fluoranthene	U		0.00221	0.00615	1	11/21/2022 16:37	WG1962618
Chrysene	U		0.00238	0.00615	1	11/21/2022 16:37	WG1962618
Dibenz(a,h)anthracene	U		0.00176	0.00615	1	11/21/2022 16:37	WG1962618
Fluoranthene	U		0.00233	0.00615	1	11/21/2022 16:37	WG1962618
Fluorene	U		0.00210	0.00615	1	11/21/2022 16:37	WG1962618
Indeno(1,2,3-cd)pyrene	U		0.00186	0.00615	1	11/21/2022 16:37	WG1962618
Naphthalene	U		0.00418	0.0205	1	11/21/2022 16:37	WG1962618
Phenanthrene	U		0.00237	0.00615	1	11/21/2022 16:37	WG1962618
Pyrene	U		0.00205	0.00615	1	11/21/2022 16:37	WG1962618
1-Methylnaphthalene	U		0.00461	0.0205	1	11/21/2022 16:37	WG1962618
2-Methylnaphthalene	U		0.00438	0.0205	1	11/21/2022 16:37	WG1962618
2-Chloronaphthalene	U		0.00478	0.0205	1	11/21/2022 16:37	WG1962618
(S) p-Terphenyl-d14	*135*	J1		*23.0-120*		*11/21/2022 16:37*	WG1962618
(S) Nitrobenzene-d5	*96.3*			*14.0-149*		*11/21/2022 16:37*	WG1962618
(S) 2-Fluorobiphenyl	*121*			*34.0-125*		*11/21/2022 16:37*	WG1962618

Method Blank (MB)

(MB) R3862554-1 11/17/22 14:41

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1558149-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1558149-01 11/17/22 14:41 • (DUP) R3862554-3 11/17/22 14:41

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	84.1	89.4	1	6.12		10

Laboratory Control Sample (LCS)

(LCS) R3862554-2 11/17/22 14:41

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

Method Blank (MB)

(MB) R3862563-1 11/17/22 16:05

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1558161-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1558161-06 11/17/22 16:05 • (DUP) R3862563-3 11/17/22 16:05

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	96.5	96.3	1	0.170		10

Laboratory Control Sample (LCS)

(LCS) R3862563-2 11/17/22 16:05

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

Method Blank (MB)

(MB) R3864073-3 11/20/22 13:06

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	0.00498	J	0.00300	0.0125
Toluene	0.0100	J	0.00375	0.125
Ethylbenzene	0.00330	J	0.00275	0.0125
Total Xylene	U		0.0115	0.0375
(S) a,a,a-Trifluorotoluene(PID)	*99.3*			*72.0-128*
(S) a,a,a-Trifluorotoluene(FID)	*101*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3864073-1 11/20/22 11:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Benzene	0.0500	0.0463	92.6	76.0-121	
Toluene	0.0500	0.0477	95.4	80.0-120	
Ethylbenzene	0.0500	0.0497	99.4	80.0-124	
Total Xylene	0.150	0.159	106	37.0-160	
(S) a,a,a-Trifluorotoluene(PID)			*99.7*	*72.0-128*	
(S) a,a,a-Trifluorotoluene(FID)			*100*	*77.0-120*	

Method Blank (MB)

(MB) R3864474-2 11/19/22 22:20

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.848	2.50
Benzene	0.00300	J	0.00300	0.0125
Toluene	0.00895	J	0.00375	0.125
Ethylbenzene	0.00336	J	0.00275	0.0125
Total Xylene	U		0.0115	0.0375
(S) a,a,a-Trifluorotoluene(PID)	*97.6*			*72.0-128*
(S) a,a,a-Trifluorotoluene(FID)	*99.3*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3864474-1 11/19/22 20:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	4.83	87.8	71.0-124	
(S) a,a,a-Trifluorotoluene(PID)			*99.2*	*72.0-128*	
(S) a,a,a-Trifluorotoluene(FID)			*101*	*77.0-120*	

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

(LCS) R3864474-3 11/20/22 06:42 • (LCSD) R3864474-4 11/20/22 07:05

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 %
Benzene	0.0500	0.0482	0.0463	96.4	92.6	76.0-121			4.02	20
Toluene	0.0500	0.0492	0.0472	98.4	94.4	80.0-120			4.15	20
Ethylbenzene	0.0500	0.0509	0.0488	102	97.6	80.0-124			4.21	20
Total Xylene	0.150	0.161	0.154	107	103	37.0-160			4.44	20
(S) a,a,a-Trifluorotoluene(PID)				*100*	*99.9*	*72.0-128*				
(S) a,a,a-Trifluorotoluene(FID)				*100*	*100*	*77.0-120*				

L1558161-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558161-05 11/19/22 23:32 • (MS) R3864474-5 11/20/22 07:27 • (MSD) R3864474-6 11/20/22 07:50

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	147	2.10	117	111	77.7	74.1	25	50.0-150			4.64	27
(S) a,a,a-Trifluorotoluene(PID)					*98.3*	*97.9*		*72.0-128*				
(S) a,a,a-Trifluorotoluene(FID)					*103*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R3863151-2 11/18/22 19:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	1.09	J	0.848	2.50
(S) a,a,a-Trifluorotoluene(PID)	*0.000*	J2		*72.0-128*
(S) a,a,a-Trifluorotoluene(FID)	*97.2*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3863151-1 11/18/22 19:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	4.63	84.2	71.0-124	
(S) a,a,a-Trifluorotoluene(PID)			*0.000*	*72.0-128*	J2
(S) a,a,a-Trifluorotoluene(FID)			*106*	*77.0-120*	

L1558011-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558011-13 11/19/22 00:45 • (MS) R3863151-3 11/19/22 05:17 • (MSD) R3863151-4 11/19/22 16:20

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Gasoline Range Organics-NWTPH	152	1.33	136	110	89.0	71.6	25	50.0-150			21.4	27
(S) a,a,a-Trifluorotoluene(PID)					*0.000*	*0.000*		*72.0-128*	J2	J2		
(S) a,a,a-Trifluorotoluene(FID)					*103*	*102*		*77.0-120*				

Method Blank (MB)

(MB) R3864284-3 11/22/22 11:14

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
Methyl tert-butyl ether	U		0.000350	0.00100
1,2-Dichloroethane	U		0.000649	0.00250
Naphthalene	U		0.00488	0.0125
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*112*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*84.3*			*70.0-130*

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

(LCS) R3864284-1 11/22/22 09:59 • (LCSD) R3864284-2 11/22/22 10:18

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 %
Benzene	0.125	0.111	0.111	88.8	88.8	70.0-123			0.000	20
Toluene	0.125	0.121	0.116	96.8	92.8	75.0-121			4.22	20
Ethylbenzene	0.125	0.125	0.125	100	100	74.0-126			0.000	20
Xylenes, Total	0.375	0.391	0.384	104	102	72.0-127			1.81	20
Methyl tert-butyl ether	0.125	0.112	0.119	89.6	95.2	66.0-132			6.06	20
1,2-Dichloroethane	0.125	0.103	0.106	82.4	84.8	65.0-131			2.87	20
Naphthalene	0.125	0.137	0.135	110	108	59.0-130			1.47	20
(S) Toluene-d8				*106*	*104*	*75.0-131*				
(S) 4-Bromofluorobenzene				*110*	*113*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*85.1*	*88.8*	*70.0-130*				

L1558161-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558161-08 11/22/22 19:09 • (MS) R3864284-4 11/22/22 20:44 • (MSD) R3864284-5 11/22/22 21:03

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.000725	0.111	0.0541	87.7	42.6	1	10.0-149		J3	68.5	37
Toluene	0.125	0.00385	0.124	0.0612	96.1	45.7	1	10.0-156		J3	68.0	38
Ethylbenzene	0.125	U	0.125	0.0571	100	45.5	1	10.0-160		J3	74.8	38
Xylenes, Total	0.376	0.00467	0.390	0.180	102	46.7	1	10.0-160		J3	73.6	38
Methyl tert-butyl ether	0.125	U	0.0860	0.0588	68.7	47.0	1	11.0-147		J3	37.5	35
1,2-Dichloroethane	0.125	U	0.0878	0.0568	70.1	45.4	1	10.0-148		J3	42.8	35

L1558161-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558161-08 11/22/22 19:09 • (MS) R3864284-4 11/22/22 20:44 • (MSD) R3864284-5 11/22/22 21:03

Analyte	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Naphthalene	0.125	U	0.132	0.0902	105	72.0	1	10.0-160		J3	37.3	36
(S) Toluene-d8					*108*	*108*		*75.0-131*				
(S) 4-Bromofluorobenzene					*110*	*106*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*78.1*	*80.0*		*70.0-130*				

Method Blank (MB)

(MB) R3863525-1 11/21/22 05:35

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*73.4*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3863525-2 11/21/22 05:48

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	42.5	85.0	50.0-150	
(S) o-Terphenyl			*100*	*18.0-148*	

L1558026-40 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558026-40 11/21/22 09:01 • (MS) R3863525-3 11/21/22 09:14 • (MSD) R3863525-4 11/21/22 09:27

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	65.1	411	332	352	0.000	0.000	20	50.0-150	V	V	5.83	20
(S) o-Terphenyl					*97.9*	*88.2*		*18.0-148*	J7	J7		

Method Blank (MB)

(MB) R3863771-1 11/21/22 08:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Diesel Range Organics (DRO)	U		1.33	4.00
Residual Range Organics (RRO)	U		3.33	10.0
(S) o-Terphenyl	*85.1*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3863771-2 11/21/22 08:40

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Diesel Range Organics (DRO)	50.0	45.3	90.6	50.0-150	
(S) o-Terphenyl			*94.9*	*18.0-148*	

L1558161-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558161-07 11/21/22 09:05 • (MS) R3863771-3 11/21/22 09:18 • (MSD) R3863771-4 11/21/22 09:30

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Diesel Range Organics (DRO)	49.9	U	43.2	43.4	86.7	84.4	1	50.0-150			0.480	20
(S) o-Terphenyl					*85.9*	*81.7*		*18.0-148*				

Method Blank (MB)

(MB) R3863535-1 11/18/22 22:18

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*71.9*			*10.0-135*
(S) Tetrachloro-m-xylene	*78.2*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3863535-2 11/18/22 22:27

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1016	0.167	0.168	101	36.0-141	
PCB 1260	0.167	0.143	85.6	37.0-145	
(S) Decachlorobiphenyl			*68.8*	*10.0-135*	
(S) Tetrachloro-m-xylene			*75.5*	*10.0-139*	

L1558783-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558783-07 11/19/22 00:04 • (MS) R3863535-3 11/19/22 00:13 • (MSD) R3863535-4 11/19/22 00:21

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1016	0.179	U	0.272	0.255	152	143	1	10.0-160	P	P	6.50	37
PCB 1260	0.179	U	0.138	0.171	77.2	95.8	1	10.0-160			21.5	38
(S) Decachlorobiphenyl					*62.6*	*74.0*		*10.0-135*				
(S) Tetrachloro-m-xylene					*77.8*	*87.2*		*10.0-139*				

Method Blank (MB)

(MB) R3864485-2 11/21/22 12:19

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) p-Terphenyl-d14	*127*	J1		*23.0-120*
(S) Nitrobenzene-d5	*99.2*			*14.0-149*
(S) 2-Fluorobiphenyl	*117*			*34.0-125*

Laboratory Control Sample (LCS)

(LCS) R3864485-1 11/21/22 12:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0765	95.6	50.0-126	
Acenaphthene	0.0800	0.0739	92.4	50.0-120	
Acenaphthylene	0.0800	0.0795	99.4	50.0-120	
Benzo(a)anthracene	0.0800	0.0774	96.8	45.0-120	
Benzo(a)pyrene	0.0800	0.0631	78.9	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0772	96.5	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0800	100	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0769	96.1	49.0-125	
Chrysene	0.0800	0.0827	103	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0773	96.6	47.0-125	
Fluoranthene	0.0800	0.0846	106	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3864485-1 11/21/22 12:00

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0792	99.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0786	98.3	46.0-125	
Naphthalene	0.0800	0.0756	94.5	50.0-120	
Phenanthrene	0.0800	0.0761	95.1	47.0-120	
Pyrene	0.0800	0.0737	92.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0755	94.4	51.0-121	
2-Methylnaphthalene	0.0800	0.0770	96.3	50.0-120	
2-Chloronaphthalene	0.0800	0.0766	95.8	50.0-120	
(S) p-Terphenyl-d14			*119*	*23.0-120*	
(S) Nitrobenzene-d5			*98.0*	*14.0-149*	
(S) 2-Fluorobiphenyl			*114*	*34.0-125*	

L1558161-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1558161-08 11/21/22 16:37 • (MS) R3864485-3 11/21/22 16:57 • (MSD) R3864485-4 11/21/22 17:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0796	U	0.0752	0.0724	94.5	91.0	1	10.0-145			3.75	30
Acenaphthene	0.0796	U	0.0747	0.0727	93.8	91.4	1	14.0-127			2.64	27
Acenaphthylene	0.0796	U	0.0781	0.0761	98.1	95.6	1	21.0-124			2.53	25
Benzo(a)anthracene	0.0796	U	0.0764	0.0727	96.0	91.4	1	10.0-139			4.95	30
Benzo(a)pyrene	0.0796	U	0.0808	0.0790	102	99.2	1	10.0-141			2.31	31
Benzo(b)fluoranthene	0.0796	U	0.0795	0.0778	99.9	97.8	1	10.0-140			2.09	36
Benzo(g,h,i)perylene	0.0796	U	0.0802	0.0788	101	99.0	1	10.0-140			1.81	33
Benzo(k)fluoranthene	0.0796	U	0.0792	0.0765	99.5	96.1	1	10.0-137			3.43	31
Chrysene	0.0796	U	0.0834	0.0816	105	103	1	10.0-145			2.11	30
Dibenz(a,h)anthracene	0.0796	U	0.0739	0.0727	92.9	91.4	1	10.0-132			1.68	31
Fluoranthene	0.0796	U	0.0838	0.0813	105	102	1	10.0-153			2.98	33
Fluorene	0.0796	U	0.0794	0.0785	99.7	98.6	1	11.0-130			1.17	29
Indeno(1,2,3-cd)pyrene	0.0796	U	0.0751	0.0731	94.3	91.9	1	10.0-137			2.63	32
Naphthalene	0.0796	U	0.0793	0.0775	99.6	97.4	1	10.0-135			2.22	27
Phenanthrene	0.0796	U	0.0757	0.0733	95.1	92.1	1	10.0-144			3.17	31
Pyrene	0.0796	U	0.0742	0.0733	93.2	92.1	1	10.0-148			1.11	35
1-Methylnaphthalene	0.0796	U	0.0793	0.0769	99.6	96.6	1	10.0-142			3.02	28
2-Methylnaphthalene	0.0796	U	0.0803	0.0782	101	98.2	1	10.0-137			2.72	28
2-Chloronaphthalene	0.0796	U	0.0781	0.0763	98.1	95.9	1	29.0-120			2.26	24
(S) p-Terphenyl-d14					*126*	*122*		*23.0-120*	J1	J1		
(S) Nitrobenzene-d5					*95.4*	*91.3*		*14.0-149*				
(S) 2-Fluorobiphenyl					*117*	*112*		*34.0-125*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(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.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
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.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
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.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P	RPD between the primary and confirmatory analysis exceeded 40%.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

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

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

C123

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here or MTJL Log-in Number Here

ALL BOLD OUTLINED AREAS are for LAB USE ONLY

Company: 191 North

Address: 418 E Lakeside Avenue, Ste 214

Report To: Seth Brundige

Copy To:

Billing Information: SAME → Coeur d'Alene, Idaho 83814

Email To: Seth@191north.com

Site Collection Info/Address: 2706 E 29th, Spokane, WA

Customer Project Name/Number: 2706 E 29th / 22127

State: / County/City: / Time Zone Collected: [X] PT [ ] MT [ ] CT [ ] ET

Phone: 208-661-6002

Email:

Collected By (print): Seth Brundige

Collected By (signature): Seth Brundige

Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold: _____

Site/Facility ID #:

Purchase Order # :

Quote #:

Turnaround Date Required: Standard TAT

Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day

Compliance Monitoring? [ ] Yes [X] No

DW PWS ID #:

DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

Container Preservative Type **: 6 | U | U

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	Analyses: NWTPH-Gx BTEX Naph MTBE EDB EDC	Analyses: NWTPH-DRO/RRO PAHs PCBs	Analyses: Lead	Lab Sample # / Comments: L1538161
B1 @ 4'-8'	SL	Comp	11-10-22					5	G	X	X	X	-01
B2 @ 12'-13.1'								5	G	X	X	X	-02
B3 @ 8'-9.6'								5	G	X	X	X	-03
B4 @ 12'-13'								5	G	X	X	X	-04
B5 @ 4'-8'								5	G	X	X	X	-05
B6 @ 6'-8'								5	G	X	X	X	-06
B7 @ 12'-16'								5	G	X	X	X	-07
B8 @ 8'-12'									G	X	X	X	-08

40 samples

Lab Profile/Line:

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
~~Collector Signature Present~~ Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: _____
Sample pH Acceptable Y N NA
pH Strips: _____
Sulfide Present Y N NA
Lead Acetate Strips: _____

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 5300 4297 0124

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: MS/A6 1.1+0=1.1
Cooler 1 Temp Upon Receipt: __oC
Cooler 1 Therm Corr. Factor: __oC
Cooler 1 Corrected Temp: __oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Seth Brundige	11-14-22 @ 4:15 P		11.14.22 9.00
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time: 11-15-22 0900

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: ____ of: ____

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ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18471-1
Client Project/Site: Greg Svoboda

For:
Able Clean-Up Technologies, Inc
5308 N Myrtle St.
PO BOX 6185
Spokane, Washington 99217

Attn: Kipp E Silver

Authorized for release by:
8/31/2022 4:39:47 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18471-1

Job ID: 590-18471-1

Laboratory: Eurofins Spokane

Narrative

Receipt
The samples were received on 8/29/2022 3:05 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap in the following sample: GS-HO-1 (590-18471-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18471-1	GS-HO-1	Solid	08/26/22 12:05	08/29/22 15:05
590-18471-2	GS-HO-2	Solid	08/26/22 13:20	08/29/22 15:05

Definitions/Glossary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18471-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18471-1

Client Sample ID: GS-HO-1

Lab Sample ID: 590-18471-1
Date Collected: 08/26/22 12:05
Matrix: Solid
Date Received: 08/29/22 15:05
Percent Solids: 97.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	33		9.8		mg/Kg	☼	08/31/22 12:43	08/31/22 14:11	1
Residual Range Organics (RRO) (C25-C36)	140		25		mg/Kg	☼	08/31/22 12:43	08/31/22 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*90*		*50 - 150*	*08/31/22 12:43*	*08/31/22 14:11*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*08/31/22 12:43*	*08/31/22 14:11*	*1*

Client Sample ID: GS-HO-2

Lab Sample ID: 590-18471-2
Date Collected: 08/26/22 13:20
Matrix: Solid
Date Received: 08/29/22 15:05
Percent Solids: 97.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	22		9.9		mg/Kg	☼	08/31/22 12:43	08/31/22 14:33	1
Residual Range Organics (RRO) (C25-C36)	35		25		mg/Kg	☼	08/31/22 12:43	08/31/22 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*96*		*50 - 150*	*08/31/22 12:43*	*08/31/22 14:33*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*08/31/22 12:43*	*08/31/22 14:33*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-37836/1-A
Matrix: Solid
Analysis Batch: 37821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		08/31/22 12:43	08/31/22 13:35	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		08/31/22 12:43	08/31/22 13:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*111*		*50 - 150*	*08/31/22 12:43*	*08/31/22 13:35*	*1*
n-Triacontane-d62	*116*		*50 - 150*	*08/31/22 12:43*	*08/31/22 13:35*	*1*

Lab Sample ID: LCS 590-37836/2-A
Matrix: Solid
Analysis Batch: 37821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	72.3		mg/Kg		108	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	81.9		mg/Kg		123	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*116*		*50 - 150*
n-Triacontane-d62	*125*		*50 - 150*

Lab Chronicle

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18471-1

Client Sample ID: GS-HO-1
Date Collected: 08/26/22 12:05
Date Received: 08/29/22 15:05

Lab Sample ID: 590-18471-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37817	08/30/22 17:30	NMI	EET SPK

Client Sample ID: GS-HO-1
Date Collected: 08/26/22 12:05
Date Received: 08/29/22 15:05

Lab Sample ID: 590-18471-1
Matrix: Solid
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.66 g	5 mL	37836	08/31/22 12:43	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37821	08/31/22 14:11	NMI	EET SPK

Client Sample ID: GS-HO-2
Date Collected: 08/26/22 13:20
Date Received: 08/29/22 15:05

Lab Sample ID: 590-18471-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37817	08/30/22 17:30	NMI	EET SPK

Client Sample ID: GS-HO-2
Date Collected: 08/26/22 13:20
Date Received: 08/29/22 15:05

Lab Sample ID: 590-18471-2
Matrix: Solid
Percent Solids: 97.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.45 g	5 mL	37836	08/31/22 12:43	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37821	08/31/22 14:33	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Able Clean-Up Technologies, Inc
Job ID: 590-18471-1
Project/Site: Greg Svoboda

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18471-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins TestAmerica, Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509.924.9200 fax 509.924 9290

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Kipp Silver	Site Contact: Kipp Silver	Date: 8/29/2022	COC No:
Able Clean-Up Technologies, Inc	Email: kipp@ablecleanup.com	Lab Contact:	Carrier:	1 of 1 COCs
5308 N Myrtle St	Tel/Fax:509-466-5255			TALS Project #.
Spokane, WA 99217	Analysis Turnaround Time			Sampler: Stefanie Marikis
Phone (509)-466-5255	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
FAX (509) 487-9810	TAT if different from Below ____			Walk-in Client:
Project Name: Greg Svoboda	☐ 2 weeks			Lab Sampling.
2706 E 29th Ave Spokane, WA	☐ 1 week			
P O #22179	☑ 2 days			Job / SDG No.
	☐ 1 day			2 DAY RUSH

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-DX	Sample Specific Notes.
GS-HO-1	8/26/2022	12:05	G	S	1			X	2 DAY RUSH
GS-HO-2	8/26/2022	1:20	G	S	1			X	

590-18471 Chain of Custody

Preservation Used 1= Ice, 2= HCl, 3= H2SO4; 4=HNO3, 5=NaOH, 6= Other ____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

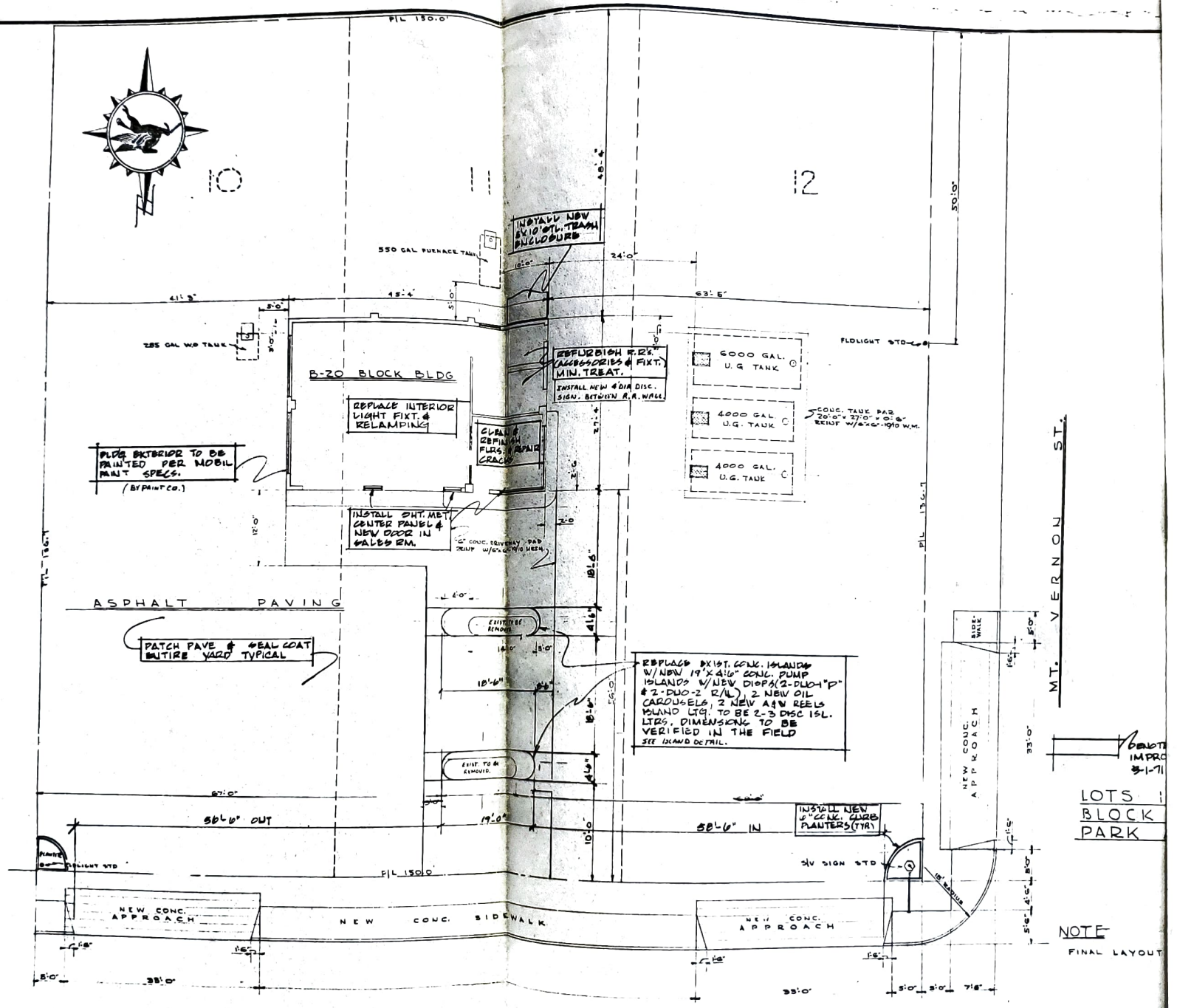
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd 3.3 Corr'd. 2.9 | Therm ID No.:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Hayley Dallman	ACT	8/29 3:10		CCK SLK	8.29.22 15:05
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company:	Date/Time:

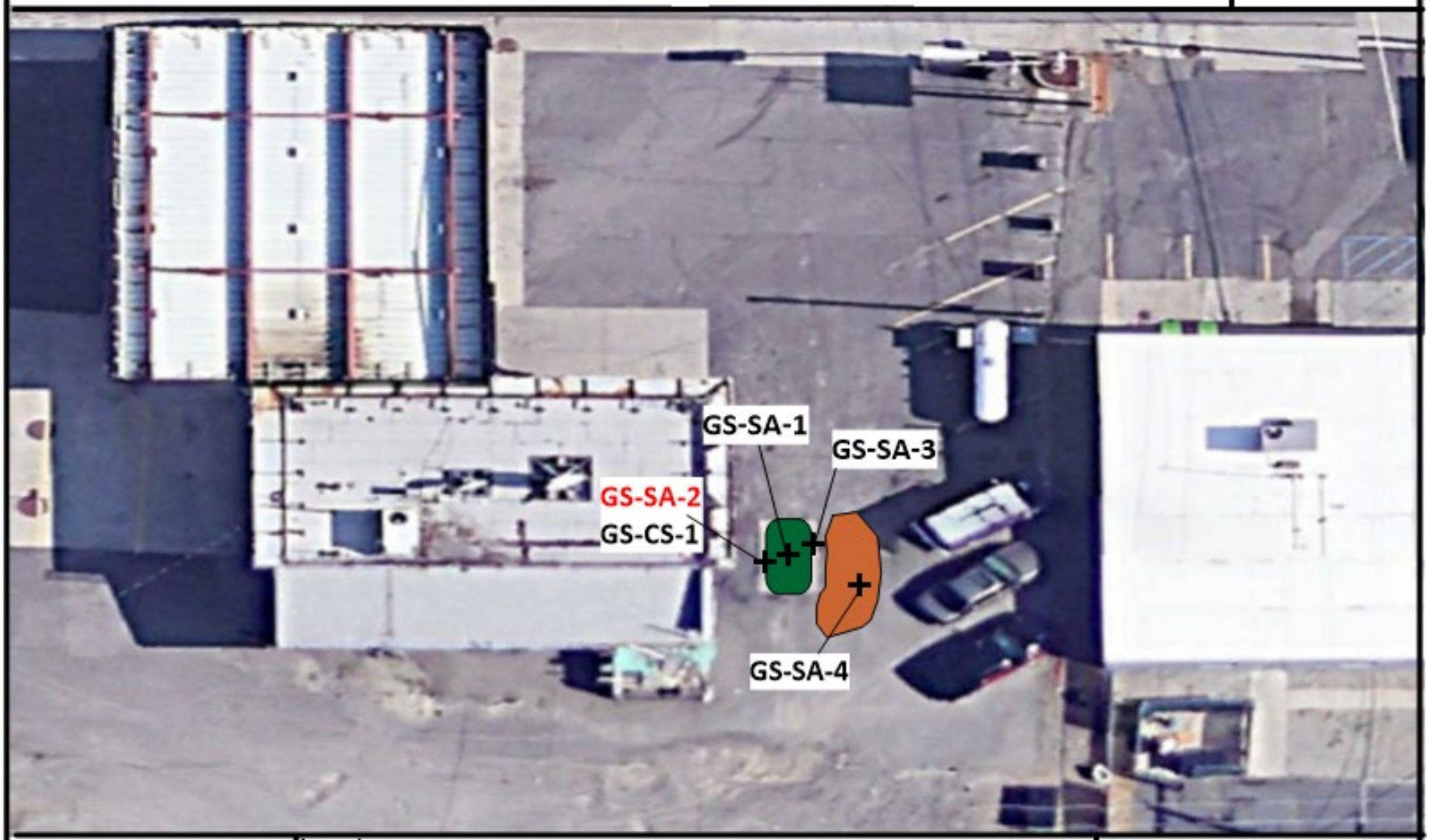
Form No. CA-C-WI-002, Rev 4.35, dated 10/6/2020



REV 4-28-55	D.A.R.	SCALE 1/2 = 1'-0"
REV 9-16-56	"	DRAWN
REV 10-30-56	"	CHECKED
		DATE March 6, 19
JOB NO.		APPR'D
DRAWING NO. Y-4252		APPR'D

Sample Map

Site address: 2706 E 29th Ave. Spokane, WA 99223



Author: Stefanie Marikis
Source Imagery: Google Earth
Date: 8/3/2022

Legend
- Diesel Tanks
- Stockpile
- Sample Locations

GS: Greg Svoboda
SA: Site Assessment
CS: Confirmation Sample

N

Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Job Number: 590-18471-1

Login Number: 18471
List Number: 1
Creator: Fettig, Riley

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18423-1
Client Project/Site: Greg Svaboda

For:
Able Clean-Up Technologies, Inc
5308 N Myrtle St.
PO BOX 6185
Spokane, Washington 99217

Attn: Kipp E Silver

Authorized for release by:
8/30/2022 4:01:42 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Job ID: 590-18423-1

Laboratory: Eurofins Spokane

Narrative

Receipt
The samples were received on 8/25/2022 1:24 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap in the following samples: GS-SA-1 (590-18423-1), GS-SA-2 (590-18423-2), GS-SA-4 (590-18423-4), (590-18423-A-1-B DU) and (590-18423-A-2-B DU).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18423-1	GS-SA-1	Solid	08/24/22 12:04	08/25/22 15:07
590-18423-2	GS-SA-2	Solid	08/24/22 12:10	08/25/22 15:07
590-18423-3	GS-SA-3	Solid	08/24/22 12:16	08/25/22 15:07
590-18423-4	GS-SA-4	Solid	08/24/22 12:20	08/25/22 15:07

Definitions/Glossary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GS-SA-1

Lab Sample ID: 590-18423-1
Date Collected: 08/24/22 12:04
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 95.8

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.1		mg/Kg	☼	08/26/22 16:21	08/26/22 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 18:17*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**180**		10		mg/Kg	☼	08/27/22 11:28	08/30/22 02:59	1
Residual Range Organics (RRO) (C25-C36)	**1500**		26		mg/Kg	☼	08/27/22 11:28	08/30/22 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:59*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:59*	*1*

Client Sample ID: GS-SA-2

Lab Sample ID: 590-18423-2
Date Collected: 08/24/22 12:10
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 92.3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.9		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 18:39*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**1400**		100		mg/Kg	☼	08/27/22 11:28	08/30/22 03:41	10
Residual Range Organics (RRO) (C25-C36)	**5500**		260		mg/Kg	☼	08/27/22 11:28	08/30/22 03:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*08/27/22 11:28*	*08/30/22 03:41*	*10*
n-Triacontane-d62	*132*		*50 - 150*	*08/27/22 11:28*	*08/30/22 03:41*	*10*

Client Sample ID: GS-SA-3

Lab Sample ID: 590-18423-3
Date Collected: 08/24/22 12:16
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 97.3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.5		mg/Kg	☼	08/26/22 16:21	08/26/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 19:00*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	☼	08/27/22 11:28	08/30/22 04:23	1

Client Sample ID: GS-SA-3

Lab Sample ID: 590-18423-3
Date Collected: 08/24/22 12:16
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 97.3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☼	08/27/22 11:28	08/30/22 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:23*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:23*	*1*

Client Sample ID: GS-SA-4

Lab Sample ID: 590-18423-4
Date Collected: 08/24/22 12:20
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 96.6

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.6		mg/Kg	☼	08/26/22 16:21	08/26/22 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 19:43*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**36**		9.8		mg/Kg	☼	08/27/22 11:28	08/30/22 04:44	1
Residual Range Organics (RRO) (C25-C36)	**140**		24		mg/Kg	☼	08/27/22 11:28	08/30/22 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:44*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:44*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-37771/1-A
Matrix: Solid
Analysis Batch: 37767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0		mg/Kg		08/26/22 16:21	08/26/22 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 16:29*	*1*

Lab Sample ID: LCS 590-37771/4-A
Matrix: Solid
Analysis Batch: 37767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	50.2	50.8		mg/Kg		101	74.4 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*41.5 - 162*

Lab Sample ID: LCSD 590-37771/5-A
Matrix: Solid
Analysis Batch: 37767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	50.2	45.0		mg/Kg		90	74.4 - 124	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*41.5 - 162*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-37776/1-A
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		08/27/22 11:28	08/30/22 02:17	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		08/27/22 11:28	08/30/22 02:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:17*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:17*	*1*

Lab Sample ID: LCS 590-37776/2-A
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	72.0		mg/Kg		108	50 - 150

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-37776/2-A
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37776

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Residual Range Organics (RRO) (C25-C36)			66.7	75.9		mg/Kg		114	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*108*		*50 - 150*
n-Triacontane-d62	*110*		*50 - 150*

Lab Sample ID: 590-18423-1 DU
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: GS-SA-1
Prep Type: Total/NA
Prep Batch: 37776

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	180			60.1	F3	mg/Kg	☼			99	40
Residual Range Organics (RRO) (C25-C36)	1500			459	F3	mg/Kg	☼			106	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*
n-Triacontane-d62	*88*		*50 - 150*

Lab Sample ID: 590-18423-2 DU
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: GS-SA-2
Prep Type: Total/NA
Prep Batch: 37776

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	1400			891	F3	mg/Kg	☼			42	40
Residual Range Organics (RRO) (C25-C36)	5500			3620	F3	mg/Kg	☼			42	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*89*		*50 - 150*
n-Triacontane-d62	*104*		*50 - 150*

Lab Chronicle

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Client Sample ID: GS-SA-1
Date Collected: 08/24/22 12:04
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-1
Date Collected: 08/24/22 12:04
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-1
Matrix: Solid
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.891 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 18:17	JSP	EET SPK
Total/NA	Prep	3550C			15.18 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37783	08/30/22 02:59	NMI	EET SPK

Client Sample ID: GS-SA-2
Date Collected: 08/24/22 12:10
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-2
Date Collected: 08/24/22 12:10
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-2
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.401 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 18:39	JSP	EET SPK
Total/NA	Prep	3550C			15.81 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	37783	08/30/22 03:41	NMI	EET SPK

Client Sample ID: GS-SA-3
Date Collected: 08/24/22 12:16
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-3
Date Collected: 08/24/22 12:16
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-3
Matrix: Solid
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.044 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 19:00	JSP	EET SPK
Total/NA	Prep	3550C			15.32 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37783	08/30/22 04:23	NMI	EET SPK

Lab Chronicle

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Client Sample ID: GS-SA-4
Date Collected: 08/24/22 12:20
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-4
Date Collected: 08/24/22 12:20
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-4
Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.048 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 19:43	JSP	EET SPK
Total/NA	Prep	3550C			15.86 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37783	08/30/22 04:44	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Able Clean-Up Technologies, Inc
Job ID: 590-18423-1
Project/Site: Greg Svaboda

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Method	Method Description	Protocol	Laboratory
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509 924 9200 fax 509 924.9290

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TEST

TestAmerica Laboratories, Inc

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Kipp Silver	Site Contact: Kipp Silver	5094665255	COC No:
Able Cleanup Technologies Inc.	Tel/Fax 509-991-9442	Lab Contact.	Carrier: ACT	1 of 1 COCs
5308 N Myrtle St	Analysis Turnaround Time			Sampler: Stefanie Marikis
Spokane, WA 99217	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
509-466-5255	TAT if different from Below			Walk-in Client.
509-487-9810	☑ 2 weeks			Lab Sampling
Project Name Greg Svaboda	☐ 1 week			
Site. 2706 E 29th St. Spokane WA	☐ 2 days			Job / SDG No
P O # 22179	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	WTPH-Dx	WTPH-Gx	BTEX	WTPH-HCID	Pb, Cd, Cr totals	Naphthalene	NWTPH-Dx	Ethylene Glycol	PCB's	Sample Specific Notes.
GS-SA-1	8/24/2022	1204	G	S	3			x	x								
GS-SA-2	8/24/22	1210	G	S	3			x	x								
GS-SA-3	8/24/22	1216	G	S	3			x	x								
GS-SA-4	8/24/22	1220	G	S	3			x	x								
GS-WO-1	8/24/22	1130	G	sludge	1					x		x				X	

590-18423 Chain of Custody

Preservation Used 1= Ice, 2= HCl, 3= H2SO4; 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd: 3.9 Corr'd. 3.9		Therm ID No.: T606
Relinquished by:	Company: ACT 8/25/22 1324	Date/Time: 8/25 1324	Received by:	Company: ETNW	Date/Time: 8/25/22 1324
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev 4.16, dated 3/20/2018

Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Job Number: 590-18423-1

Login Number: 18423
List Number: 1
Creator: Fettig, Riley

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18423-1
Client Project/Site: Greg Svaboda

For:
Able Clean-Up Technologies, Inc
5308 N Myrtle St.
PO BOX 6185
Spokane, Washington 99217

Attn: Kipp E Silver

Authorized for release by:
8/30/2022 4:01:42 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Job ID: 590-18423-1

Laboratory: Eurofins Spokane

Narrative

Receipt
The samples were received on 8/25/2022 1:24 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method NWTPH-Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap in the following samples: GS-SA-1 (590-18423-1), GS-SA-2 (590-18423-2), GS-SA-4 (590-18423-4), (590-18423-A-1-B DU) and (590-18423-A-2-B DU).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18423-1	GS-SA-1	Solid	08/24/22 12:04	08/25/22 15:07
590-18423-2	GS-SA-2	Solid	08/24/22 12:10	08/25/22 15:07
590-18423-3	GS-SA-3	Solid	08/24/22 12:16	08/25/22 15:07
590-18423-4	GS-SA-4	Solid	08/24/22 12:20	08/25/22 15:07

Definitions/Glossary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: GS-SA-1

Lab Sample ID: 590-18423-1
Date Collected: 08/24/22 12:04
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 95.8

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.1		mg/Kg	☼	08/26/22 16:21	08/26/22 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 18:17*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**180**		10		mg/Kg	☼	08/27/22 11:28	08/30/22 02:59	1
Residual Range Organics (RRO) (C25-C36)	**1500**		26		mg/Kg	☼	08/27/22 11:28	08/30/22 02:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:59*	*1*
n-Triacontane-d62	*92*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:59*	*1*

Client Sample ID: GS-SA-2

Lab Sample ID: 590-18423-2
Date Collected: 08/24/22 12:10
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 92.3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.9		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 18:39*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**1400**		100		mg/Kg	☼	08/27/22 11:28	08/30/22 03:41	10
Residual Range Organics (RRO) (C25-C36)	**5500**		260		mg/Kg	☼	08/27/22 11:28	08/30/22 03:41	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*93*		*50 - 150*	*08/27/22 11:28*	*08/30/22 03:41*	*10*
n-Triacontane-d62	*132*		*50 - 150*	*08/27/22 11:28*	*08/30/22 03:41*	*10*

Client Sample ID: GS-SA-3

Lab Sample ID: 590-18423-3
Date Collected: 08/24/22 12:16
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 97.3

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.5		mg/Kg	☼	08/26/22 16:21	08/26/22 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 19:00*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	☼	08/27/22 11:28	08/30/22 04:23	1

Client Sample ID: GS-SA-3

Lab Sample ID: 590-18423-3
Date Collected: 08/24/22 12:16
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 97.3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg	☼	08/27/22 11:28	08/30/22 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*51*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:23*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:23*	*1*

Client Sample ID: GS-SA-4

Lab Sample ID: 590-18423-4
Date Collected: 08/24/22 12:20
Matrix: Solid
Date Received: 08/25/22 15:07
Percent Solids: 96.6

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		6.6		mg/Kg	☼	08/26/22 16:21	08/26/22 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 19:43*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**36**		9.8		mg/Kg	☼	08/27/22 11:28	08/30/22 04:44	1
Residual Range Organics (RRO) (C25-C36)	**140**		24		mg/Kg	☼	08/27/22 11:28	08/30/22 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:44*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/27/22 11:28*	*08/30/22 04:44*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-37771/1-A
Matrix: Solid
Analysis Batch: 37767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0		mg/Kg		08/26/22 16:21	08/26/22 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*41.5 - 162*	*08/26/22 16:21*	*08/26/22 16:29*	*1*

Lab Sample ID: LCS 590-37771/4-A
Matrix: Solid
Analysis Batch: 37767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline	50.2	50.8		mg/Kg		101	74.4 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*41.5 - 162*

Lab Sample ID: LCSD 590-37771/5-A
Matrix: Solid
Analysis Batch: 37767

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline	50.2	45.0		mg/Kg		90	74.4 - 124	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*41.5 - 162*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-37776/1-A
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37776

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		08/27/22 11:28	08/30/22 02:17	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		08/27/22 11:28	08/30/22 02:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:17*	*1*
n-Triacontane-d62	*94*		*50 - 150*	*08/27/22 11:28*	*08/30/22 02:17*	*1*

Lab Sample ID: LCS 590-37776/2-A
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37776

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	72.0		mg/Kg		108	50 - 150

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-37776/2-A
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37776

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Residual Range Organics (RRO) (C25-C36)			66.7	75.9		mg/Kg		114	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*108*		*50 - 150*
n-Triacontane-d62	*110*		*50 - 150*

Lab Sample ID: 590-18423-1 DU
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: GS-SA-1
Prep Type: Total/NA
Prep Batch: 37776

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	180			60.1	F3	mg/Kg	☼			99	40
Residual Range Organics (RRO) (C25-C36)	1500			459	F3	mg/Kg	☼			106	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*
n-Triacontane-d62	*88*		*50 - 150*

Lab Sample ID: 590-18423-2 DU
Matrix: Solid
Analysis Batch: 37783

Client Sample ID: GS-SA-2
Prep Type: Total/NA
Prep Batch: 37776

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	1400			891	F3	mg/Kg	☼			42	40
Residual Range Organics (RRO) (C25-C36)	5500			3620	F3	mg/Kg	☼			42	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*89*		*50 - 150*
n-Triacontane-d62	*104*		*50 - 150*

Lab Chronicle

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Client Sample ID: GS-SA-1
Date Collected: 08/24/22 12:04
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-1
Date Collected: 08/24/22 12:04
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-1
Matrix: Solid
Percent Solids: 95.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.891 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 18:17	JSP	EET SPK
Total/NA	Prep	3550C			15.18 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37783	08/30/22 02:59	NMI	EET SPK

Client Sample ID: GS-SA-2
Date Collected: 08/24/22 12:10
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-2
Date Collected: 08/24/22 12:10
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-2
Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.401 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 18:39	JSP	EET SPK
Total/NA	Prep	3550C			15.81 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	37783	08/30/22 03:41	NMI	EET SPK

Client Sample ID: GS-SA-3
Date Collected: 08/24/22 12:16
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-3
Date Collected: 08/24/22 12:16
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-3
Matrix: Solid
Percent Solids: 97.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.044 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 19:00	JSP	EET SPK
Total/NA	Prep	3550C			15.32 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37783	08/30/22 04:23	NMI	EET SPK

Lab Chronicle

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Client Sample ID: GS-SA-4
Date Collected: 08/24/22 12:20
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			37756	08/26/22 10:59	NMI	EET SPK

Client Sample ID: GS-SA-4
Date Collected: 08/24/22 12:20
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-4
Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.048 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	37767	08/26/22 19:43	JSP	EET SPK
Total/NA	Prep	3550C			15.86 g	5 mL	37776	08/27/22 11:28	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	37783	08/30/22 04:44	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Able Clean-Up Technologies, Inc
Job ID: 590-18423-1
Project/Site: Greg Svaboda

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-1

Method	Method Description	Protocol	Laboratory
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509 924 9200 fax 509 924.9290

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TEST

TestAmerica Laboratories, Inc

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Kipp Silver	Site Contact: Kipp Silver	5094665255	COC No:
Able Cleanup Technologies Inc.	Tel/Fax 509-991-9442	Lab Contact.	Carrier: ACT	1 of 1 COCs
5308 N Myrtle St	Analysis Turnaround Time			Sampler: Stefanie Marikis
Spokane, WA 99217	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
509-466-5255	TAT if different from Below			Walk-in Client.
509-487-9810	☑ 2 weeks			Lab Sampling
Project Name Greg Svaboda	☐ 1 week			
Site. 2706 E 29th St. Spokane WA	☐ 2 days			Job / SDG No
P O # 22179	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	WTPH-Dx	WTPH-Gx	BTEX	WTPH-HCID	Pb, Cd, Cr totals	Naphthalene	NWTPH-Dx	Ethylene Glycol	PCB's	Sample Specific Notes.
GS-SA-1	8/24/2022	1204	G	S	3			x	x								
GS-SA-2	8/24/22	1210	G	S	3			x	x								
GS-SA-3	8/24/22	1216	G	S	3			x	x								
GS-SA-4	8/24/22	1220	G	S	3			x	x								
GS-WO-1	8/24/22	1130	G	sludge	1					x		x				X	

590-18423 Chain of Custody

Preservation Used 1= Ice, 2= HCl, 3= H2SO4; 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd: 3.9 Corr'd. 3.9		Therm ID No.: T606
Relinquished by:	Company: ACT 8/25/22 1324	Date/Time: 8/25 1324	Received by:	Company: ETNW	Date/Time: 8/25/22 1324
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev 4.16, dated 3/20/2018

Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Job Number: 590-18423-1

Login Number: 18423
List Number: 1
Creator: Fettig, Riley

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18423-3
Client Project/Site: Greg Svaboda

For:
Able Clean-Up Technologies, Inc
5308 N Myrtle St.
PO BOX 6185
Spokane, Washington 99217

Attn: Kipp E Silver

Authorized for release by:
9/9/2022 5:03:40 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Job ID: 590-18423-3

Laboratory: Eurofins Spokane

Narrative

Receipt
The samples were received on 8/25/2022 1:24 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

Receipt Exceptions
The following sample was activated for 8260D HVOCs/BTEX/MTBE, 8011 EDB, 6010D Lead, 8270E SIM PAHs, 8082A PCB analysis by the client on 08/30/22@1604: GS-SA-2 (590-18423-2). This analysis was not originally requested on the chain-of-custody (COC).

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-37768 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 590-37771 and analytical batch 590-37768 recovered outside control limits for the following analytes: Carbon tetrachloride.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-37871 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8260D: The initial calibration verification (ICV) associated with batch 590-37871 recovered above the upper control limit for Chlorobromomethane, Vinyl chloride. The samples associated with this ICV were non-detects for the affected analytes; therefore, the data have been reported.

GS-SA-2 (590-18423-2) and (ICV 590-37871/15)

Method 8260D: Reanalysis of the following sample was performed outside of the analytical holding time : GS-SA-2 (590-18423-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method 8270E SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 590-37892 and analytical batch 590-37883 was outside control limits. Sample matrix interference is suspected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18423-2	GS-SA-2	Solid	08/24/22 12:10	08/25/22 15:07

Definitions/Glossary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Client Sample ID: GS-SA-2

Date Collected: 08/24/22 12:10
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-2

Matrix: Solid
Percent Solids: 92.3

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,1,2,2-Tetrachloroethane	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,1,2-Trichloroethane	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,1-Dichloroethane	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,1-Dichloroethene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,2-Dichlorobenzene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,2-Dichloroethane	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,2-Dichloropropane	ND		0.16		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,3-Dichlorobenzene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
1,4-Dichlorobenzene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Benzene	ND		0.027		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Bromodichloromethane	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Bromoform	ND		0.27		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Bromomethane	ND		0.69		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Carbon tetrachloride	ND	*1	0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Chlorobenzene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Chloroethane	ND	H	0.27		mg/Kg	☼	08/26/22 16:21	09/08/22 16:37	1
Chloroform	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Chloromethane	ND	H	0.69		mg/Kg	☼	08/26/22 16:21	09/08/22 16:37	1
cis-1,2-Dichloroethene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
cis-1,3-Dichloropropene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Dibromochloromethane	ND		0.27		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Ethylbenzene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
m-Xylene & p-Xylene	ND		0.55		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Methyl tert-butyl ether	ND		0.069		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Methylene Chloride	ND		0.48		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
o-Xylene	ND		0.27		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Tetrachloroethene	ND		0.055		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Toluene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
trans-1,2-Dichloroethene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
trans-1,3-Dichloropropene	ND		0.14		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Trichloroethene	ND		0.034		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Trichlorofluoromethane	ND		0.27		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1
Vinyl chloride	ND		0.082		mg/Kg	☼	08/26/22 16:21	09/01/22 21:03	1
Xylenes, Total	ND		0.82		mg/Kg	☼	08/26/22 16:21	08/26/22 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 129*	*08/26/22 16:21*	*08/26/22 18:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 129*	*08/26/22 16:21*	*09/01/22 21:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 129*	*08/26/22 16:21*	*09/08/22 16:37*	*1*
4-Bromofluorobenzene (Surr)	*84*		*76 - 122*	*08/26/22 16:21*	*08/26/22 18:39*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 122*	*08/26/22 16:21*	*09/01/22 21:03*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 122*	*08/26/22 16:21*	*09/01/22 21:03*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 122*	*08/26/22 16:21*	*09/08/22 16:37*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/26/22 16:21*	*08/26/22 18:39*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*	*08/26/22 16:21*	*09/01/22 21:03*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*	*08/26/22 16:21*	*09/08/22 16:37*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*	*08/26/22 16:21*	*08/26/22 18:39*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/26/22 16:21*	*09/01/22 21:03*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*08/26/22 16:21*	*09/08/22 16:37*	*1*

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Client Sample ID: GS-SA-2

Date Collected: 08/24/22 12:10
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-2

Matrix: Solid
Percent Solids: 92.3

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
2-Methylnaphthalene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Acenaphthene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Acenaphthylene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Anthracene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Benzo[a]anthracene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Benzo[a]pyrene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Benzo[b]fluoranthene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Benzo[g,h,i]perylene	**570**		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Benzo[k]fluoranthene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Chrysene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Dibenz(a,h)anthracene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Fluoranthene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Fluorene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Indeno[1,2,3-cd]pyrene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Naphthalene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Phenanthrene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10
Pyrene	ND		110		ug/Kg	☼	09/02/22 12:11	09/02/22 13:40	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*84*		*47 - 120*	*09/02/22 12:11*	*09/02/22 13:40*	*10*
Nitrobenzene-d5 (Surr)	*76*		*44 - 120*	*09/02/22 12:11*	*09/02/22 13:40*	*10*
p-Terphenyl-d14 (Surr)	*96*		*54 - 132*	*09/02/22 12:11*	*09/02/22 13:40*	*10*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND	F1	0.086		ug/Kg	☼	09/01/22 14:26	09/01/22 20:58	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1221	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1232	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1242	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1248	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1254	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1260	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1268	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1
PCB-1262	ND		11		ug/Kg	☼	09/02/22 09:28	09/02/22 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*39 - 131*	*09/02/22 09:28*	*09/02/22 12:46*	*1*
DCB Decachlorobiphenyl (Surr)	*69*		*18 - 150*	*09/02/22 09:28*	*09/02/22 12:46*	*1*

Method: 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**61**		13		mg/Kg	☼	08/31/22 09:51	08/31/22 18:21	5

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-37771/1-A
Matrix: Solid
Analysis Batch: 37768

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37771

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,1,2,2-Tetrachloroethane	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,1,2-Trichloroethane	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,1-Dichloroethane	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,1-Dichloroethene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,2-Dichlorobenzene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,2-Dichloroethane	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,2-Dichloropropane	ND		0.12		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,3-Dichlorobenzene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
1,4-Dichlorobenzene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Benzene	ND		0.020		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Bromodichloromethane	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Bromoform	ND		0.20		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Bromomethane	ND		0.50		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Carbon tetrachloride	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Chlorobenzene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Chloroethane	ND		0.20		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Chloroform	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Chloromethane	ND		0.50		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
cis-1,2-Dichloroethene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
cis-1,3-Dichloropropene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Dibromochloromethane	ND		0.20		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Ethylbenzene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
m-Xylene & p-Xylene	ND		0.40		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Methyl tert-butyl ether	ND		0.050		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Methylene Chloride	ND		0.35		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
o-Xylene	ND		0.20		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Tetrachloroethene	ND		0.040		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Toluene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
trans-1,2-Dichloroethene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
trans-1,3-Dichloropropene	ND		0.10		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Trichloroethene	ND		0.025		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Trichlorofluoromethane	ND		0.20		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Vinyl chloride	ND		0.060		mg/Kg		08/26/22 16:21	08/26/22 16:29	1
Xylenes, Total	ND		0.60		mg/Kg		08/26/22 16:21	08/26/22 16:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 129*	*08/26/22 16:21*	*08/26/22 16:29*	*1*
4-Bromofluorobenzene (Surr)	*82*		*76 - 122*	*08/26/22 16:21*	*08/26/22 16:29*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*	*08/26/22 16:21*	*08/26/22 16:29*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*	*08/26/22 16:21*	*08/26/22 16:29*	*1*

Lab Sample ID: LCS 590-37771/2-A
Matrix: Solid
Analysis Batch: 37768

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37771

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,1,1-Trichloroethane			0.500	0.453		mg/Kg		91	80 - 150		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-37771/2-A
Matrix: Solid
Analysis Batch: 37768

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37771

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	0.500	0.476		mg/Kg		95	75 - 137
1,1,2-Trichloroethane	0.500	0.467		mg/Kg		93	80 - 132
1,1-Dichloroethane	0.500	0.431		mg/Kg		86	80 - 136
1,1-Dichloroethene	0.500	0.460		mg/Kg		92	63 - 150
1,2-Dichlorobenzene	0.500	0.474		mg/Kg		95	80 - 135
1,2-Dichloroethane	0.500	0.447		mg/Kg		89	73 - 150
1,2-Dichloropropane	0.500	0.484		mg/Kg		97	75 - 135
1,3-Dichlorobenzene	0.500	0.493		mg/Kg		99	80 - 133
1,4-Dichlorobenzene	0.500	0.484		mg/Kg		97	80 - 133
Benzene	0.500	0.446		mg/Kg		89	76 - 139
Bromodichloromethane	0.500	0.454		mg/Kg		91	80 - 146
Bromoform	0.500	0.621		mg/Kg		124	72 - 133
Bromomethane	0.500	0.482	J	mg/Kg		96	56 - 138
Carbon tetrachloride	0.500	0.471		mg/Kg		94	72 - 150
Chlorobenzene	0.500	0.520		mg/Kg		104	80 - 136
Chloroethane	0.500	0.404		mg/Kg		81	50 - 150
Chloroform	0.500	0.465		mg/Kg		93	80 - 150
Chloromethane	0.500	0.346	J	mg/Kg		69	42 - 120
cis-1,2-Dichloroethene	0.500	0.448		mg/Kg		90	80 - 144
cis-1,3-Dichloropropene	0.500	0.430		mg/Kg		86	80 - 136
Dibromochloromethane	0.500	0.507		mg/Kg		101	78 - 136
Ethylbenzene	0.500	0.461		mg/Kg		92	77 - 135
m-Xylene & p-Xylene	0.500	0.438		mg/Kg		88	78 - 130
Methyl tert-butyl ether	0.500	0.415		mg/Kg		83	80 - 144
Methylene Chloride	0.500	0.401		mg/Kg		80	47 - 150
o-Xylene	0.500	0.452		mg/Kg		90	77 - 129
Tetrachloroethene	0.500	0.492		mg/Kg		98	77 - 149
Toluene	0.500	0.495		mg/Kg		99	77 - 131
trans-1,2-Dichloroethene	0.500	0.457		mg/Kg		91	80 - 138
trans-1,3-Dichloropropene	0.500	0.457		mg/Kg		91	80 - 124
Trichloroethene	0.500	0.460		mg/Kg		92	79 - 144
Trichlorofluoromethane	0.500	0.487		mg/Kg		97	64 - 143
Vinyl chloride	0.500	0.354		mg/Kg		71	66 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 129*
4-Bromofluorobenzene (Surr)	*91*		*76 - 122*
Dibromofluoromethane (Surr)	*98*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 590-37771/3-A
Matrix: Solid
Analysis Batch: 37768

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.500	0.502		mg/Kg		100	80 - 150	10	10
1,1,2,2-Tetrachloroethane	0.500	0.474		mg/Kg		95	75 - 137	0	15
1,1,2-Trichloroethane	0.500	0.469		mg/Kg		94	80 - 132	0	12

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-37771/3-A
Matrix: Solid
Analysis Batch: 37768

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37771

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	0.500	0.453		mg/Kg		91	80 - 136	5	16
1,1-Dichloroethene	0.500	0.476		mg/Kg		95	63 - 150	3	40
1,2-Dichlorobenzene	0.500	0.491		mg/Kg		98	80 - 135	4	17
1,2-Dichloroethane	0.500	0.477		mg/Kg		95	73 - 150	6	25
1,2-Dichloropropane	0.500	0.547		mg/Kg		109	75 - 135	12	20
1,3-Dichlorobenzene	0.500	0.500		mg/Kg		100	80 - 133	2	18
1,4-Dichlorobenzene	0.500	0.497		mg/Kg		99	80 - 133	3	16
Benzene	0.500	0.483		mg/Kg		97	76 - 139	8	14
Bromodichloromethane	0.500	0.491		mg/Kg		98	80 - 146	8	19
Bromoform	0.500	0.596		mg/Kg		119	72 - 133	4	10
Bromomethane	0.500	0.457	J	mg/Kg		91	56 - 138	5	14
Carbon tetrachloride	0.500	0.566	*1	mg/Kg		113	72 - 150	18	17
Chlorobenzene	0.500	0.514		mg/Kg		103	80 - 136	1	10
Chloroethane	0.500	0.424		mg/Kg		85	50 - 150	5	17
Chloroform	0.500	0.497		mg/Kg		99	80 - 150	7	15
Chloromethane	0.500	0.374	J	mg/Kg		75	42 - 120	8	12
cis-1,2-Dichloroethene	0.500	0.460		mg/Kg		92	80 - 144	3	15
cis-1,3-Dichloropropene	0.500	0.457		mg/Kg		91	80 - 136	6	17
Dibromochloromethane	0.500	0.538		mg/Kg		108	78 - 136	6	18
Ethylbenzene	0.500	0.486		mg/Kg		97	77 - 135	5	13
m-Xylene & p-Xylene	0.500	0.446		mg/Kg		89	78 - 130	2	23
Methyl tert-butyl ether	0.500	0.452		mg/Kg		90	80 - 144	9	17
Methylene Chloride	0.500	0.434		mg/Kg		87	47 - 150	8	40
o-Xylene	0.500	0.457		mg/Kg		91	77 - 129	1	15
Tetrachloroethene	0.500	0.523		mg/Kg		105	77 - 149	6	10
Toluene	0.500	0.514		mg/Kg		103	77 - 131	4	14
trans-1,2-Dichloroethene	0.500	0.463		mg/Kg		93	80 - 138	1	16
trans-1,3-Dichloropropene	0.500	0.477		mg/Kg		95	80 - 124	4	14
Trichloroethene	0.500	0.488		mg/Kg		98	79 - 144	6	13
Trichlorofluoromethane	0.500	0.508		mg/Kg		102	64 - 143	4	10
Vinyl chloride	0.500	0.387		mg/Kg		77	66 - 129	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 129*
4-Bromofluorobenzene (Surr)	*88*		*76 - 122*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 590-37871/16
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.10		mg/Kg			09/01/22 20:19	1
1,1,2,2-Tetrachloroethane	ND		0.10		mg/Kg			09/01/22 20:19	1
1,1,2-Trichloroethane	ND		0.10		mg/Kg			09/01/22 20:19	1
1,1-Dichloroethane	ND		0.10		mg/Kg			09/01/22 20:19	1
1,1-Dichloroethene	ND		0.10		mg/Kg			09/01/22 20:19	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-37871/16
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		0.10		mg/Kg			09/01/22 20:19	1
1,2-Dichloroethane	ND		0.10		mg/Kg			09/01/22 20:19	1
1,2-Dichloropropane	ND		0.12		mg/Kg			09/01/22 20:19	1
1,3-Dichlorobenzene	ND		0.10		mg/Kg			09/01/22 20:19	1
1,4-Dichlorobenzene	ND		0.10		mg/Kg			09/01/22 20:19	1
Benzene	ND		0.020		mg/Kg			09/01/22 20:19	1
Bromodichloromethane	ND		0.10		mg/Kg			09/01/22 20:19	1
Bromoform	ND		0.20		mg/Kg			09/01/22 20:19	1
Carbon tetrachloride	ND		0.10		mg/Kg			09/01/22 20:19	1
Chlorobenzene	ND		0.10		mg/Kg			09/01/22 20:19	1
Chloroform	ND		0.10		mg/Kg			09/01/22 20:19	1
cis-1,2-Dichloroethene	ND		0.10		mg/Kg			09/01/22 20:19	1
cis-1,3-Dichloropropene	ND		0.10		mg/Kg			09/01/22 20:19	1
Dibromochloromethane	ND		0.20		mg/Kg			09/01/22 20:19	1
Ethylbenzene	ND		0.10		mg/Kg			09/01/22 20:19	1
m-Xylene & p-Xylene	ND		0.40		mg/Kg			09/01/22 20:19	1
Methyl tert-butyl ether	ND		0.050		mg/Kg			09/01/22 20:19	1
Methylene Chloride	ND		0.35		mg/Kg			09/01/22 20:19	1
o-Xylene	ND		0.20		mg/Kg			09/01/22 20:19	1
Tetrachloroethene	ND		0.040		mg/Kg			09/01/22 20:19	1
Toluene	ND		0.10		mg/Kg			09/01/22 20:19	1
trans-1,2-Dichloroethene	ND		0.10		mg/Kg			09/01/22 20:19	1
trans-1,3-Dichloropropene	ND		0.10		mg/Kg			09/01/22 20:19	1
Trichloroethene	ND		0.025		mg/Kg			09/01/22 20:19	1
Trichlorofluoromethane	ND		0.20		mg/Kg			09/01/22 20:19	1
Vinyl chloride	ND		0.060		mg/Kg			09/01/22 20:19	1
Xylenes, Total	ND		0.60		mg/Kg			09/01/22 20:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 129*		*09/01/22 20:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 122*		*09/01/22 20:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 122*		*09/01/22 20:19*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*09/01/22 20:19*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/01/22 20:19*	*1*

Lab Sample ID: MB 590-37875/1-A
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,1,2,2-Tetrachloroethane	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,1,2-Trichloroethane	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,1-Dichloroethane	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,1-Dichloroethene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,2-Dichlorobenzene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,2-Dichloroethane	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,2-Dichloropropane	ND		0.12		mg/Kg		09/01/22 16:51	09/01/22 23:33	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-37875/1-A
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37875

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
1,4-Dichlorobenzene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Benzene	ND		0.020		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Bromodichloromethane	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Bromoform	ND		0.20		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Carbon tetrachloride	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Chlorobenzene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Chloroform	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
cis-1,2-Dichloroethene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
cis-1,3-Dichloropropene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Dibromochloromethane	ND		0.20		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Ethylbenzene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
m-Xylene & p-Xylene	ND		0.40		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Methyl tert-butyl ether	ND		0.050		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Methylene Chloride	ND		0.35		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
o-Xylene	ND		0.20		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Tetrachloroethene	ND		0.040		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Toluene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
trans-1,2-Dichloroethene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
trans-1,3-Dichloropropene	ND		0.10		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Trichloroethene	ND		0.025		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Trichlorofluoromethane	ND		0.20		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Vinyl chloride	ND		0.060		mg/Kg		09/01/22 16:51	09/01/22 23:33	1
Xylenes, Total	ND		0.60		mg/Kg		09/01/22 16:51	09/01/22 23:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 129*	*09/01/22 16:51*	*09/01/22 23:33*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 122*	*09/01/22 16:51*	*09/01/22 23:33*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 122*	*09/01/22 16:51*	*09/01/22 23:33*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*09/01/22 16:51*	*09/01/22 23:33*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*09/01/22 16:51*	*09/01/22 23:33*	*1*

Lab Sample ID: LCS 590-37875/2-A
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.500	0.525		mg/Kg		105	80 - 150
1,1,2,2-Tetrachloroethane	0.500	0.383		mg/Kg		77	75 - 137
1,1-Dichloroethane	0.500	0.454		mg/Kg		91	80 - 136
1,1-Dichloroethene	0.500	0.591		mg/Kg		118	63 - 150
1,2-Dichlorobenzene	0.500	0.486		mg/Kg		97	80 - 135
1,2-Dichloroethane	0.500	0.502		mg/Kg		100	73 - 150
1,2-Dichloropropane	0.500	0.457		mg/Kg		91	75 - 135
1,3-Dichlorobenzene	0.500	0.500		mg/Kg		100	80 - 133
1,4-Dichlorobenzene	0.500	0.504		mg/Kg		101	80 - 133
Benzene	0.500	0.516		mg/Kg		103	76 - 139
Bromodichloromethane	0.500	0.497		mg/Kg		99	80 - 146

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-37875/2-A
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37875

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Bromoform			0.500	0.434		mg/Kg		87	72 - 133		
Carbon tetrachloride			0.500	0.503		mg/Kg		101	72 - 150		
Chlorobenzene			0.500	0.459		mg/Kg		92	80 - 136		
Chloroform			0.500	0.482		mg/Kg		96	80 - 150		
cis-1,2-Dichloroethene			0.500	0.468		mg/Kg		94	80 - 144		
cis-1,3-Dichloropropene			0.500	0.472		mg/Kg		94	80 - 136		
Dibromochloromethane			0.500	0.463		mg/Kg		93	78 - 136		
Ethylbenzene			0.500	0.552		mg/Kg		110	77 - 135		
m-Xylene & p-Xylene			0.500	0.557		mg/Kg		111	78 - 130		
Methyl tert-butyl ether			0.500	0.485		mg/Kg		97	80 - 144		
Methylene Chloride			0.500	0.549		mg/Kg		110	47 - 150		
o-Xylene			0.500	0.522		mg/Kg		104	77 - 129		
Tetrachloroethene			0.500	0.517		mg/Kg		103	77 - 149		
Toluene			0.500	0.495		mg/Kg		99	77 - 131		
trans-1,2-Dichloroethene			0.500	0.477		mg/Kg		95	80 - 138		
trans-1,3-Dichloropropene			0.500	0.445		mg/Kg		89	80 - 124		
Trichloroethene			0.500	0.546		mg/Kg		109	79 - 144		
Trichlorofluoromethane			0.500	0.505		mg/Kg		101	64 - 143		
Vinyl chloride			0.500	0.501		mg/Kg		100	66 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 129*
4-Bromofluorobenzene (Surr)	*101*		*76 - 122*
4-Bromofluorobenzene (Surr)	*101*		*76 - 122*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 590-37875/3-A
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.500	0.575		mg/Kg		115	80 - 150	9	10
1,1,2,2-Tetrachloroethane			0.500	0.408		mg/Kg		82	75 - 137	6	15
1,1-Dichloroethane			0.500	0.446		mg/Kg		89	80 - 136	2	16
1,1-Dichloroethene			0.500	0.600		mg/Kg		120	63 - 150	2	40
1,2-Dichlorobenzene			0.500	0.520		mg/Kg		104	80 - 135	7	17
1,2-Dichloroethane			0.500	0.527		mg/Kg		105	73 - 150	5	25
1,2-Dichloropropane			0.500	0.491		mg/Kg		98	75 - 135	7	20
1,3-Dichlorobenzene			0.500	0.542		mg/Kg		108	80 - 133	8	18
1,4-Dichlorobenzene			0.500	0.526		mg/Kg		105	80 - 133	4	16
Benzene			0.500	0.518		mg/Kg		104	76 - 139	0	14
Bromodichloromethane			0.500	0.509		mg/Kg		102	80 - 146	2	19
Bromoform			0.500	0.499	*1	mg/Kg		100	72 - 133	14	10
Carbon tetrachloride			0.500	0.614	*1	mg/Kg		123	72 - 150	20	17
Chlorobenzene			0.500	0.492		mg/Kg		98	80 - 136	7	10
Chloroform			0.500	0.517		mg/Kg		103	80 - 150	7	15
cis-1,2-Dichloroethene			0.500	0.483		mg/Kg		97	80 - 144	3	15

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-37875/3-A
Matrix: Solid
Analysis Batch: 37871

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37875

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene			0.500	0.495		mg/Kg		99	80 - 136	5	17
Dibromochloromethane			0.500	0.508		mg/Kg		102	78 - 136	9	18
Ethylbenzene			0.500	0.582		mg/Kg		116	77 - 135	5	13
m-Xylene & p-Xylene			0.500	0.608		mg/Kg		122	78 - 130	9	23
Methyl tert-butyl ether			0.500	0.526		mg/Kg		105	80 - 144	8	17
Methylene Chloride			0.500	0.599		mg/Kg		120	47 - 150	9	40
o-Xylene			0.500	0.574		mg/Kg		115	77 - 129	10	15
Tetrachloroethene			0.500	0.553		mg/Kg		111	77 - 149	7	10
Toluene			0.500	0.538		mg/Kg		108	77 - 131	8	14
trans-1,2-Dichloroethene			0.500	0.488		mg/Kg		98	80 - 138	2	16
trans-1,3-Dichloropropene			0.500	0.470		mg/Kg		94	80 - 124	5	14
Trichloroethene			0.500	0.610		mg/Kg		122	79 - 144	11	13
Trichlorofluoromethane			0.500	0.543		mg/Kg		109	64 - 143	7	10
Vinyl chloride			0.500	0.570		mg/Kg		114	66 - 129	13	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 129*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*
4-Bromofluorobenzene (Surr)	*100*		*76 - 122*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-37892/1-A
Matrix: Solid
Analysis Batch: 37883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37892

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
2-Methylnaphthalene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Acenaphthene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Acenaphthylene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Anthracene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Benzo[a]anthracene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Benzo[a]pyrene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Benzo[b]fluoranthene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Benzo[g,h,i]perylene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Benzo[k]fluoranthene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Chrysene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Dibenz(a,h)anthracene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Fluoranthene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Fluorene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Indeno[1,2,3-cd]pyrene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Naphthalene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Phenanthrene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1
Pyrene	ND		10		ug/Kg		09/02/22 12:11	09/02/22 12:54	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 590-37892/1-A
Matrix: Solid
Analysis Batch: 37883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37892

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	82		47 - 120	09/02/22 12:11	09/02/22 12:54	1
Nitrobenzene-d5 (Surr)	78		44 - 120	09/02/22 12:11	09/02/22 12:54	1
p-Terphenyl-d14 (Surr)	97		54 - 132	09/02/22 12:11	09/02/22 12:54	1

Lab Sample ID: LCS 590-37892/2-A
Matrix: Solid
Analysis Batch: 37883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37892

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1-Methylnaphthalene	267	201		ug/Kg		75	52 - 120
2-Methylnaphthalene	267	205		ug/Kg		77	48 - 120
Acenaphthene	267	206		ug/Kg		77	53 - 120
Acenaphthylene	267	206		ug/Kg		77	52 - 120
Anthracene	267	197		ug/Kg		74	51 - 120
Benzo[a]anthracene	267	240		ug/Kg		90	61 - 131
Benzo[a]pyrene	267	219		ug/Kg		82	60 - 126
Benzo[b]fluoranthene	267	210		ug/Kg		79	61 - 127
Benzo[g,h,i]perylene	267	233		ug/Kg		87	58 - 129
Benzo[k]fluoranthene	267	231		ug/Kg		87	55 - 127
Chrysene	267	210		ug/Kg		79	57 - 127
Dibenz(a,h)anthracene	267	236		ug/Kg		88	60 - 121
Fluoranthene	267	230		ug/Kg		86	63 - 127
Fluorene	267	212		ug/Kg		80	55 - 120
Indeno[1,2,3-cd]pyrene	267	230		ug/Kg		86	54 - 128
Naphthalene	267	195		ug/Kg		73	45 - 120
Phenanthrene	267	234		ug/Kg		88	57 - 121
Pyrene	267	217		ug/Kg		81	50 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	80		47 - 120
Nitrobenzene-d5 (Surr)	76		44 - 120
p-Terphenyl-d14 (Surr)	92		54 - 132

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 590-37868/1-A
Matrix: Solid
Analysis Batch: 37869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37868

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	ND		0.080		ug/Kg		09/01/22 14:26	09/01/22 20:25	1

Lab Sample ID: LCS 590-37868/2-A
Matrix: Solid
Analysis Batch: 37869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37868

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	1.00	1.01		ug/Kg		101	60 - 140

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC) (Continued)

Lab Sample ID: 590-18423-2 MS
Matrix: Solid
Analysis Batch: 37869

Client Sample ID: GS-SA-2
Prep Type: Total/NA
Prep Batch: 37868

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylene Dibromide	ND	F1	1.06	0.514	F1	ug/Kg	☼	48	60 - 140

Lab Sample ID: 590-18423-2 MSD
Matrix: Solid
Analysis Batch: 37869

Client Sample ID: GS-SA-2
Prep Type: Total/NA
Prep Batch: 37868

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylene Dibromide	ND	F1	1.03	0.539	F1	ug/Kg	☼	52	60 - 140	5	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 590-37879/1-A
Matrix: Solid
Analysis Batch: 37885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37879

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1221	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1232	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1242	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1248	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1254	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1260	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1268	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1
PCB-1262	ND		10		ug/Kg		09/02/22 09:28	09/02/22 12:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*39 - 131*	*09/02/22 09:28*	*09/02/22 12:04*	*1*
DCB Decachlorobiphenyl (Surr)	*92*		*18 - 150*	*09/02/22 09:28*	*09/02/22 12:04*	*1*

Lab Sample ID: LCS 590-37879/2-A
Matrix: Solid
Analysis Batch: 37885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37879

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	66.7	62.7		ug/Kg		94	55 - 136
PCB-1260	66.7	62.9		ug/Kg		94	63 - 143

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*100*		*39 - 131*
DCB Decachlorobiphenyl (Surr)	*98*		*18 - 150*

QC Sample Results

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-37827/2-A
Matrix: Solid
Analysis Batch: 37841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37827

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		3.0		mg/Kg		08/31/22 09:51	08/31/22 17:25	1

Lab Sample ID: LCS 590-37827/1-A
Matrix: Solid
Analysis Batch: 37841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37827

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			50.0	50.1		mg/Kg		100	80 - 120		

Lab Chronicle

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Client Sample ID: GS-SA-2

Date Collected: 08/24/22 12:10
Date Received: 08/25/22 15:07

Lab Sample ID: 590-18423-2

Matrix: Solid
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			8.401 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	37768	08/26/22 18:39	JSP	EET SPK
Total/NA	Prep	5035			8.401 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	37871	09/01/22 21:03	JSP	EET SPK
Total/NA	Prep	5035			8.401 g	10 mL	37771	08/26/22 16:21	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	37964	09/08/22 16:37	JSP	EET SPK
Total/NA	Prep	3550C			15.24 g	2 mL	37892	09/02/22 12:11	NMI	EET SPK
Total/NA	Analysis	8270E SIM		10	1 uL	1 uL	37883	09/02/22 13:40	NMI	EET SPK
Total/NA	Prep	8011			10.07 g	2 mL	37868	09/01/22 14:26	NMI	EET SPK
Total/NA	Analysis	8011		1	1 mL	1 mL	37869	09/01/22 20:58	NMI	EET SPK
Total/NA	Prep	3550C			15.08 g	5 mL	37879	09/02/22 09:28	NMI	EET SPK
Total/NA	Analysis	8082A		1	1 mL	1 mL	37885	09/02/22 12:46	NMI	EET SPK
Total/NA	Prep	3050B			1.29 g	50 mL	37827	08/31/22 09:51	AMB	EET SPK
Total/NA	Analysis	6010D		5			37841	08/31/22 18:21	AMB	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Able Clean-Up Technologies, Inc
Job ID: 590-18423-3
Project/Site: Greg Svaboda

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8082A	3550C	Solid	PCB-1262
8082A	3550C	Solid	PCB-1268

Method Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svaboda

Job ID: 590-18423-3

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	EET SPK
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET SPK
6010D	Metals (ICP)	SW846	EET SPK
3050B	Preparation, Metals	SW846	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3665A	Sulfuric Acid/Permanganate Cleanup	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
8011	Microextraction	SW846	EET SPK

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

TestAmerica Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509 924 9200 fax 509 924.9290

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TEST

TestAmerica Laboratories, Inc

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Kipp Silver	Site Contact: Kipp Silver	5094665255	COC No:
Able Cleanup Technologies Inc.	Tel/Fax 509-991-9442	Lab Contact.	Carrier: ACT	1 of 1 COCs
5308 N Myrtle St	Analysis Turnaround Time			Sampler: Stefanie Marikis
Spokane, WA 99217	☑ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
509-466-5255	TAT if different from Below			Walk-in Client.
509-487-9810	☑ 2 weeks			Lab Sampling
Project Name Greg Svaboda	☐ 1 week			
Site. 2706 E 29th St. Spokane WA	☐ 2 days			Job / SDG No
P O # 22179	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	WTPH-Dx	WTPH-Gx	BTEX	WTPH-HCID	Pb, Cd, Cr totals	Naphthalene	NWTPH-Dx	Ethylene Glycol	PCB's	Sample Specific Notes.
GS-SA-1	8/24/2022	1204	G	S	3			x	x								
GS-SA-2	8/24/22	1210	G	S	3			x	x								
GS-SA-3	8/24/22	1216	G	S	3			x	x								
GS-SA-4	8/24/22	1220	G	S	3			x	x								
GS-WO-1	8/24/22	1130	G	sludge	1					x		x				X	

590-18423 Chain of Custody

Preservation Used 1= Ice, 2= HCl, 3= H_2SO_4; 4=HNO_3, 5=NaOH, 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No.		Cooler Temp. (°C): Obs'd: 3.9 Corr'd. 3.9		Therm ID No.: T606
Relinquished by:	Company: ACT	Date/Time: ~~8/25/22 1324~~ 8/25 1324	Received by:	Company: ETNW	Date/Time: 8/25/22 1324
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev 4.16, dated 3/20/2018

Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Job Number: 590-18423-3

Login Number: 18423
List Number: 1
Creator: Fettig, Riley

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Tel: (509)924-9200

Laboratory Job ID: 590-18743-1
Client Project/Site: Greg Svoboda

For:
Able Clean-Up Technologies, Inc
5308 N Myrtle St.
PO BOX 6185
Spokane, Washington 99217

Attn: Kipp E Silver

Authorized for release by:
9/30/2022 3:15:15 PM

Randee Arrington, Lab Director
(509)924-9200
Randee.Arrington@et.eurofinsus.com

Table of Contents

Case Narrative

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18743-1

Job ID: 590-18743-1

Laboratory: Eurofins Spokane

Narrative

Receipt
The sample was received on 9/27/2022 2:05 PM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 13.7º C.

Receipt Exceptions
The following sample was received at the laboratory outside the required temperature criteria: GS-CS-1 (590-18743-1). The sample is considered acceptable since it was collected and submitted to the laboratory on the same day and there is evidence that the chilling process has begun.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18743-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
590-18743-1	GS-CS-1	Solid	09/27/22 12:15	09/27/22 14:05

Definitions/Glossary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18743-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample Results

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18743-1

Client Sample ID: GS-CS-1

Date Collected: 09/27/22 12:15
Date Received: 09/27/22 14:05

Lab Sample ID: 590-18743-1

Matrix: Solid
Percent Solids: 97.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg	☼	09/29/22 11:22	09/29/22 14:45	1
Residual Range Organics (RRO) (C25-C36)	ND		26		mg/Kg	☼	09/29/22 11:22	09/29/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*83*		*50 - 150*	*09/29/22 11:22*	*09/29/22 14:45*	*1*
n-Triacontane-d62	*89*		*50 - 150*	*09/29/22 11:22*	*09/29/22 14:45*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-38318/1-A
Matrix: Solid
Analysis Batch: 38323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 38318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10		mg/Kg		09/29/22 11:22	09/29/22 14:02	1
Residual Range Organics (RRO) (C25-C36)	ND		25		mg/Kg		09/29/22 11:22	09/29/22 14:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*09/29/22 11:22*	*09/29/22 14:02*	*1*
n-Triacontane-d62	*91*		*50 - 150*	*09/29/22 11:22*	*09/29/22 14:02*	*1*

Lab Sample ID: LCS 590-38318/2-A
Matrix: Solid
Analysis Batch: 38323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 38318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	72.3		mg/Kg		108	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	74.4		mg/Kg		112	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*101*		*50 - 150*
n-Triacontane-d62	*100*		*50 - 150*

Lab Sample ID: 590-18743-1 DU
Matrix: Solid
Analysis Batch: 38323

Client Sample ID: GS-CS-1
Prep Type: Total/NA
Prep Batch: 38318

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	☼	NC	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	☼	NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*
n-Triacontane-d62	*90*		*50 - 150*

Lab Chronicle

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18743-1

Client Sample ID: GS-CS-1
Date Collected: 09/27/22 12:15
Date Received: 09/27/22 14:05

Lab Sample ID: 590-18743-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			38320	09/29/22 11:43	NMI	EET SPK

Client Sample ID: GS-CS-1
Date Collected: 09/27/22 12:15
Date Received: 09/27/22 14:05

Lab Sample ID: 590-18743-1
Matrix: Solid
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.04 g	5 mL	38318	09/29/22 11:22	NMI	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	38323	09/29/22 14:45	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

Client: Able Clean-Up Technologies, Inc
Job ID: 590-18743-1
Project/Site: Greg Svoboda

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C569	01-06-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Able Clean-Up Technologies, Inc
Project/Site: Greg Svoboda

Job ID: 590-18743-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Chain of Custody Record

560767 eurofins | Environment Testing TestAmerica

Address. _____

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Stefanie Manikis	Site Contact: Kipp Silver	Date 9/27/22	COC No:
Company Name: Able CleanUp Tech	Tel/Email 509-466-5255	Lab Contact.	Carrier: ACT	1 of 1 COCs
Address. 5308 N Myrtle St	Analysis Turnaround Time			Sampler:
City/State/Zip Spokane WA 99217	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only
Phone: 509-466-5255	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling
Project Name: Greg Svoboda	☐ 1 week			
Site: 29th Ave	☐ 2 days			Job / SDG No
PO# 22179	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	NWTPH-Dx	Sample Specific Notes.
GS-CS-1	9/27	1215	G	S	3			X	

590-18743 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd 13.2 Corr'd 13.7 | Therm ID No. IR001

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	ACT	9/27/22 1403	[signature]	EETSPO	9/27/22 14:05
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
			[signature]		
Relinquished by	Company	Date/Time.	Received in Laboratory by	Company	Date/Time

Login Sample Receipt Checklist

Client: Able Clean-Up Technologies, Inc

Job Number: 590-18743-1

Login Number: 18743
List Number: 1
Creator: Fettig, Riley

List Source: Eurofins Spokane

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

Resume
Certificate of Insurance

Client#: 1926651 191NOR

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 4/12/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER	CONTACT NAME: Dana Gamble	
USI Insurance Services NW 601 Union Street, Suite 1000 Seattle, WA 98101	PHONE (A/C, No, Ext): 206-385-0039	FAX (A/C, No): 610-362-8093
	E-MAIL ADDRESS: dana.gamble@usi.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Lloyd's of London	SURPLU
INSURED 191 North LLC 418 E Lakeside Ave Suite 214 Coeur d'Alene, ID 83814	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY			ENC000013606	04/11/2022	04/11/2023	EACH OCCURRENCE	$1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$100,000
	X BI/PD Ded:$1,000						MED EXP (Any one person)	$25,000
							PERSONAL & ADV INJURY	$1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$2,000,000
	X POLICY PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$2,000,000
	OTHER:							$
A	AUTOMOBILE LIABILITY			ENC000013606	04/11/2022	04/11/2023	COMBINED SINGLE LIMIT (Ea accident)	$1,000,000
	ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
	UMBRELLA LIAB OCCUR						EACH OCCURRENCE	$
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$
	DED RETENTION $							$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N						PER STATUTE / OTH-ER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N / A					E.L. EACH ACCIDENT	$
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$
A	Professional Liab			ENC000013606	04/11/2022	04/11/2023	Each Occ/Agg: $1M/2M	
A	Cont. Pollution Liability			ENC000013606	04/11/2022	04/11/2023	Limit: $1,000,000 Deductible: $2,500	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

Proof of Insurance

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

191 NORTH
Environmental Consulting

Seth A. Brundige, P.G.

Operations Director

Professional Experience Summary

Mr. Brundige has 20 years of experience in the environmental consulting, construction materials testing and the geotechnical industry. Mr. Brundige has vast experience in conducting transaction screens, environmental site assessments (ESAs), records search with risk assessments (RSRAs), subsurface exploration, field investigation and source approvals, soil sampling, groundwater sampling and turbidity testing, stormwater pollution prevention plans (SWPPP) and SWPPP inspections, and construction materials inspections/testing. Mr. Brundige's knowledge and background allow him to extend efficient and cost-efficient environmental compliance to clients.

Education

A.A., North Idaho College
B.S., Geology at Eastern Washington University

Registration / Certifications

- Idaho Professional Geologist (PGL-1513)
- Washington Professional Geologist (No.3245)
- 40-Hour Hazardous Waste Operations & Emergency Response Training
- Asbestos Building Inspector (AHERA)
- Radon Measurement Provider (NRPP 107643)

Project Experience

- Conducted several hundred Phase I Environmental Site Assessments on, but not limited to: commercial office buildings, gasoline/service stations, shopping centers, residential development sites, drycleaners, industrial sites/buildings, aerospace manufacturers and facilities, plating facilities, iron foundries, hotels, auto/marine shops, and manufacturing facilities.
- Conducted asbestos testing at commercial, industrial, and private residential sites.
- Performed radon testing at numerous multi-family housing buildings in Washington, Idaho and Montana.
- Performed environmental soil/groundwater sampling and sub-surface explorations (Phase I & II ESAs) at numerous commercial, industrial, and residential sites for regulatory compliance in Idaho and Washington.
- Project management on environmental sites for over five years, including sites requiring regulatory closure.

Professional Experience

ALLWEST Testing & Engineering, LLC
Hayden, Idaho
Hayden Environmental Manager (2007-2016)

CRUX Subsurface, Inc.
Spokane Valley, Washington
Driller Assistant (2005)

City of Rathdrum
Rathdrum, Idaho
Public Works Laborer (2001-2005)